FIG. 1

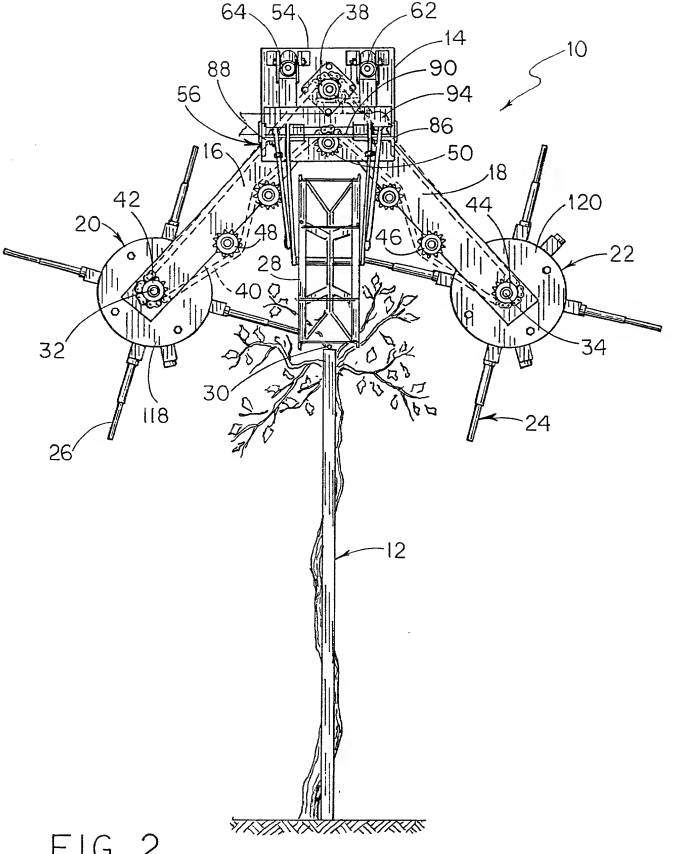

FIG. 2

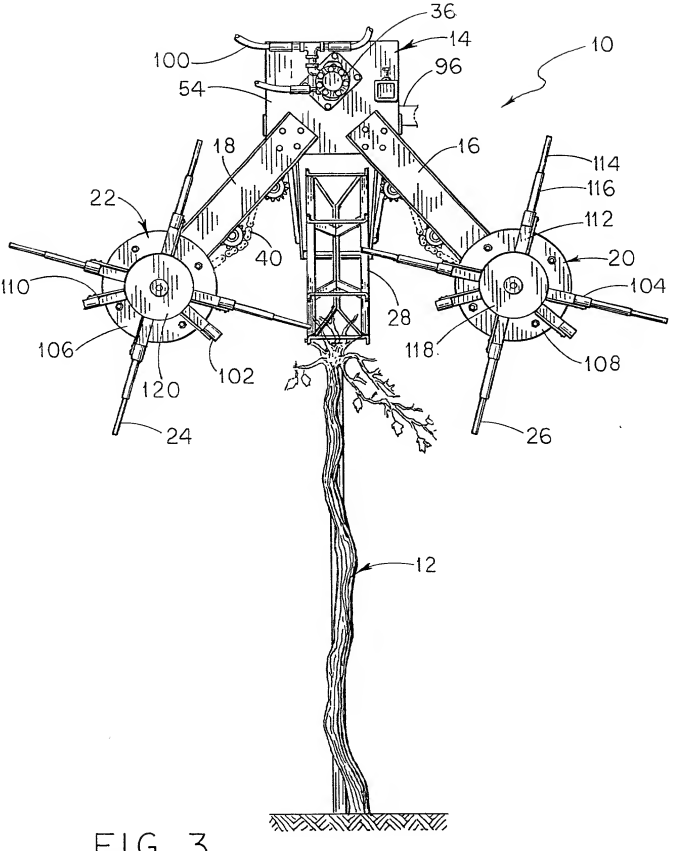

FIG. 3

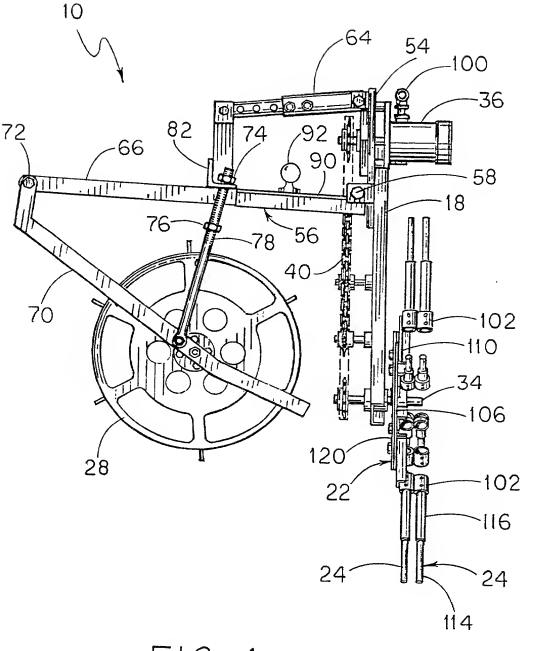

FIG. 4

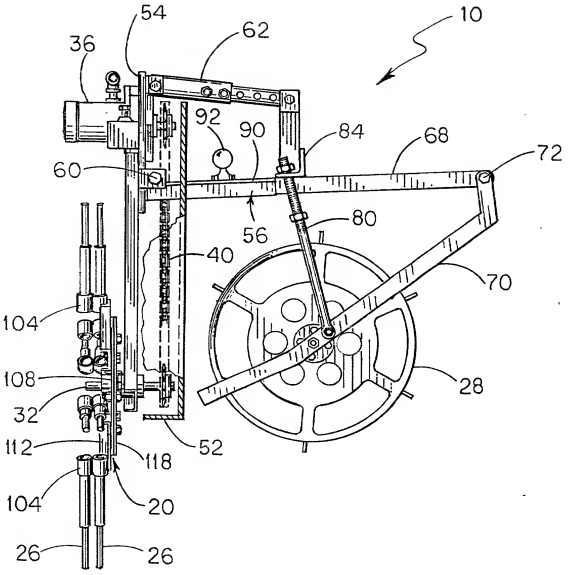
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FIG. 5

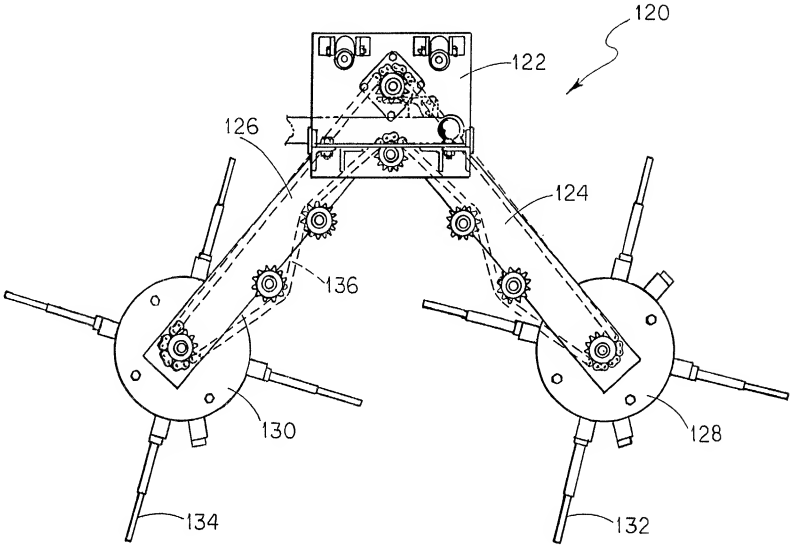


FIG. 6

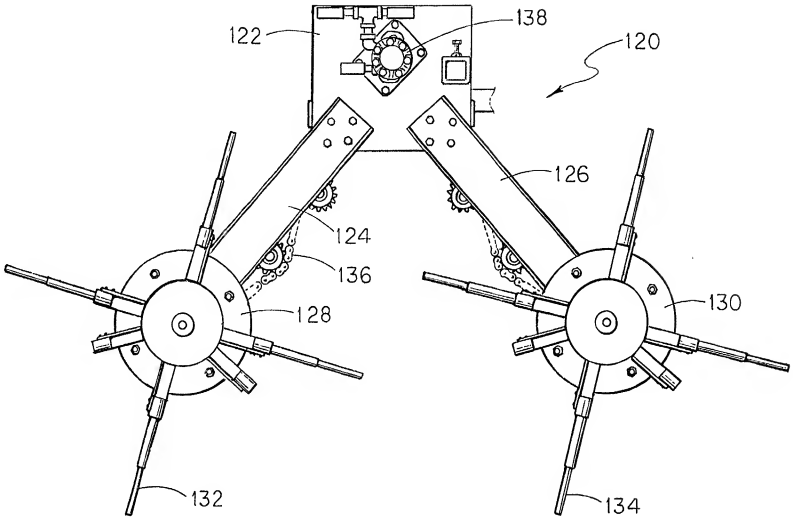
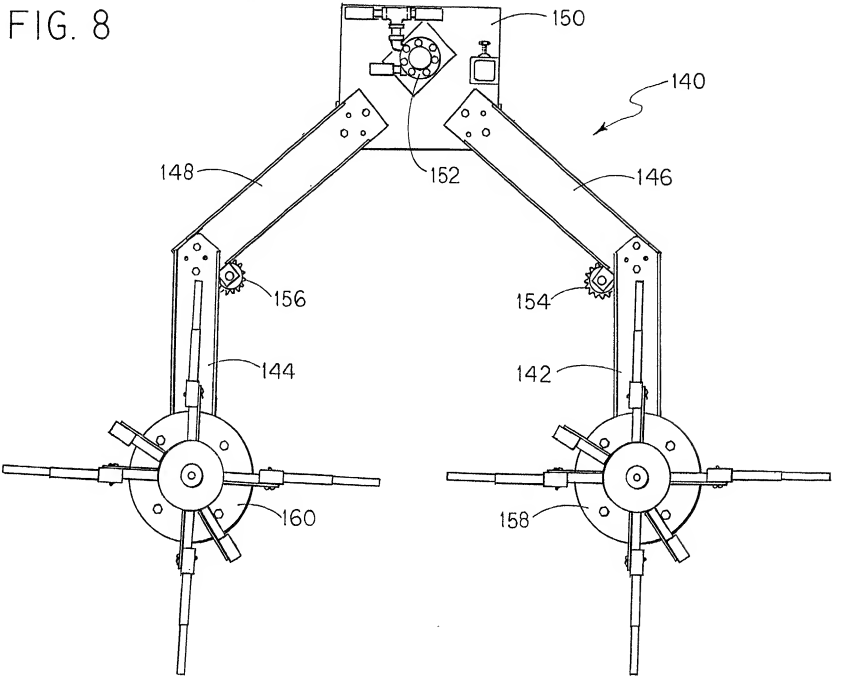


FIG. 7

FIG. 8



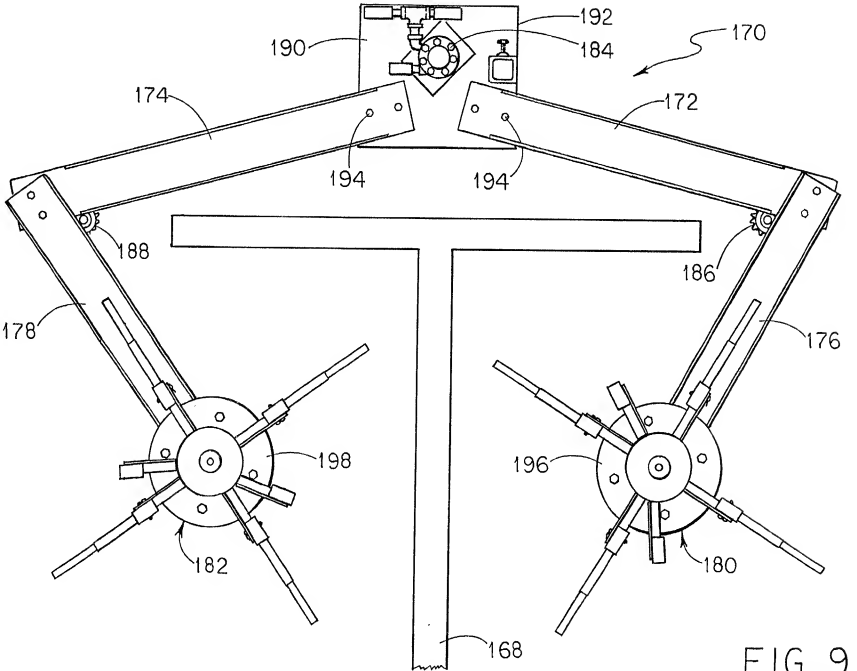

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FIG. 9

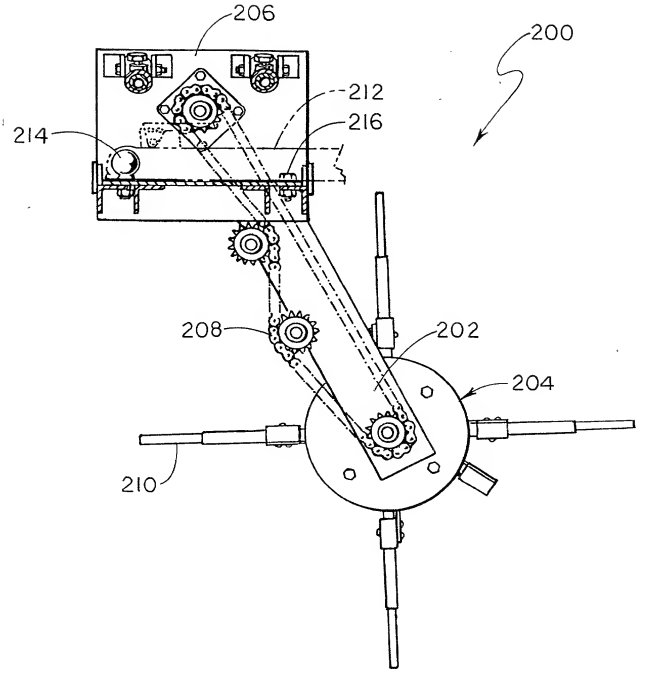

FIG. 10

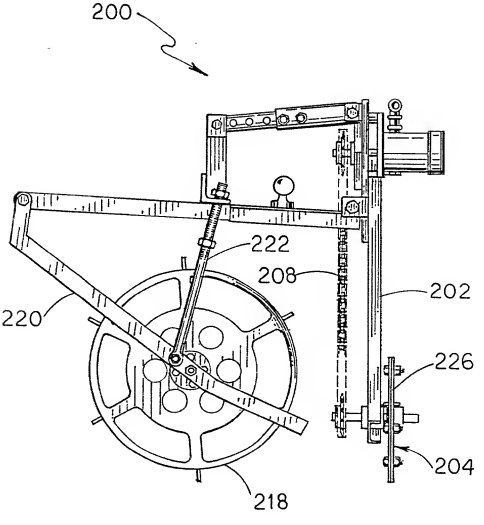

FIG. 11

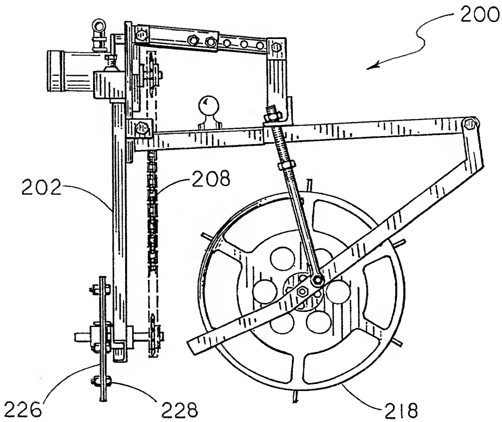

FIG. 12

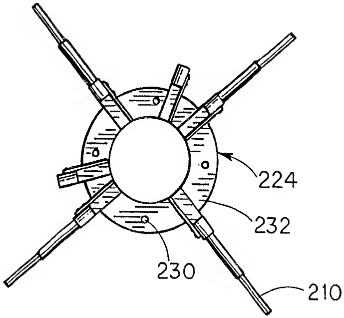

FIG. 13

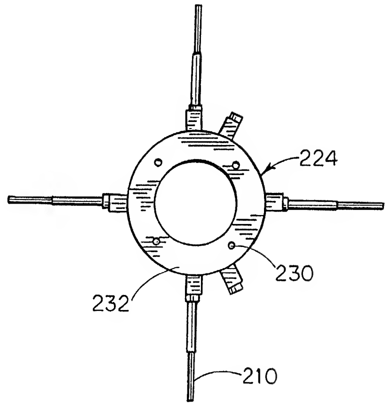

FIG. 14

FIG. 15

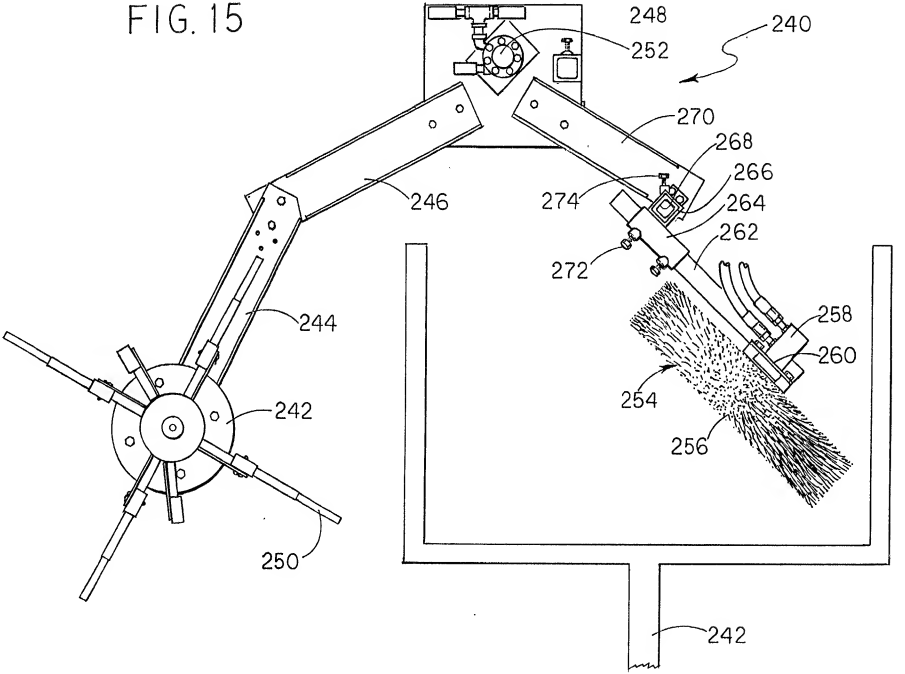
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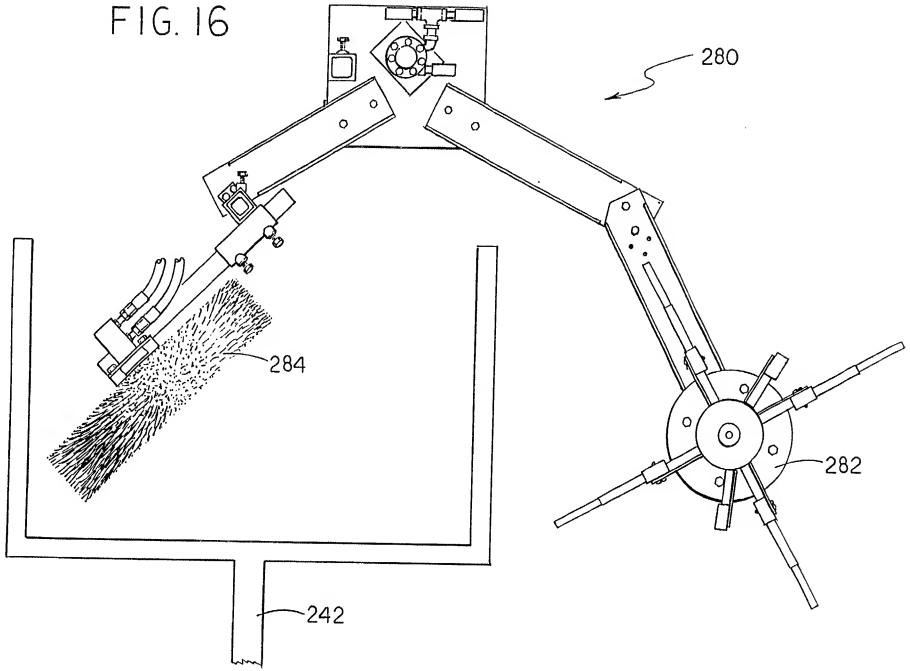
FIG. 16



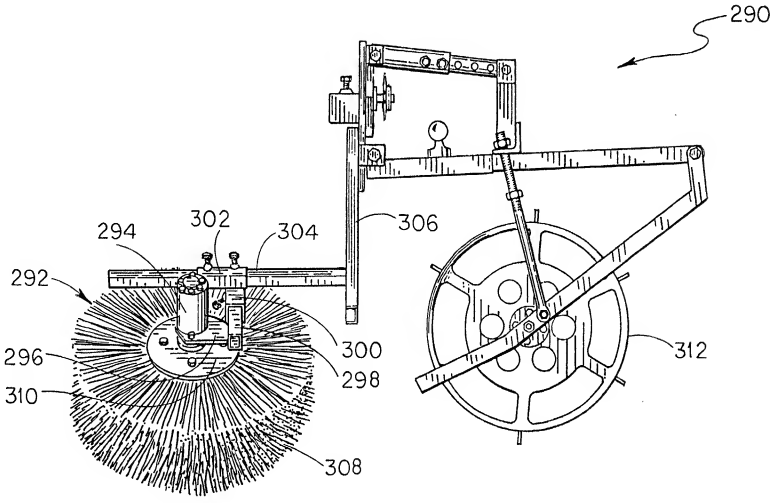


FIG. 17

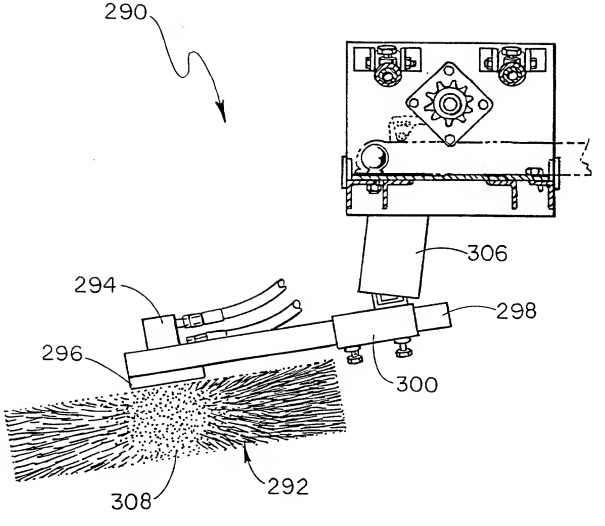


FIG. 18

FIG. 19

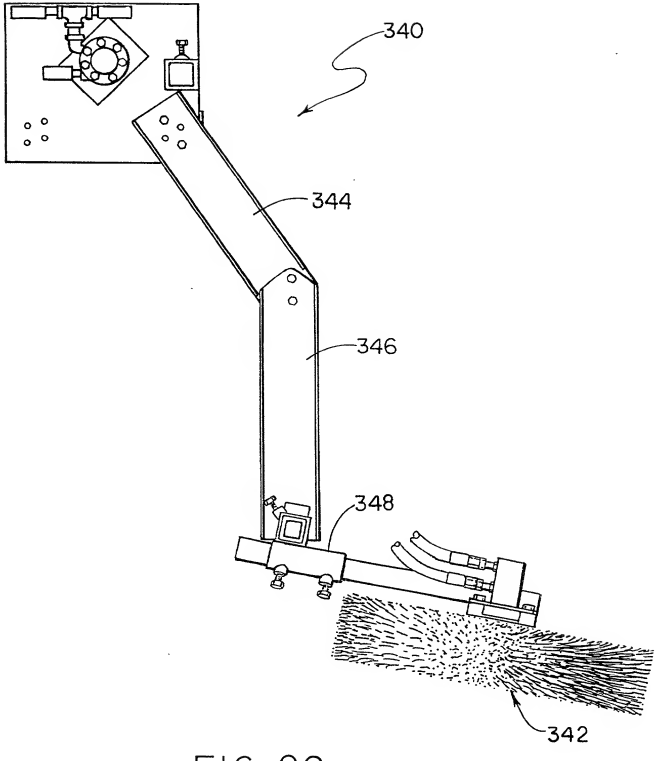


FIG. 20

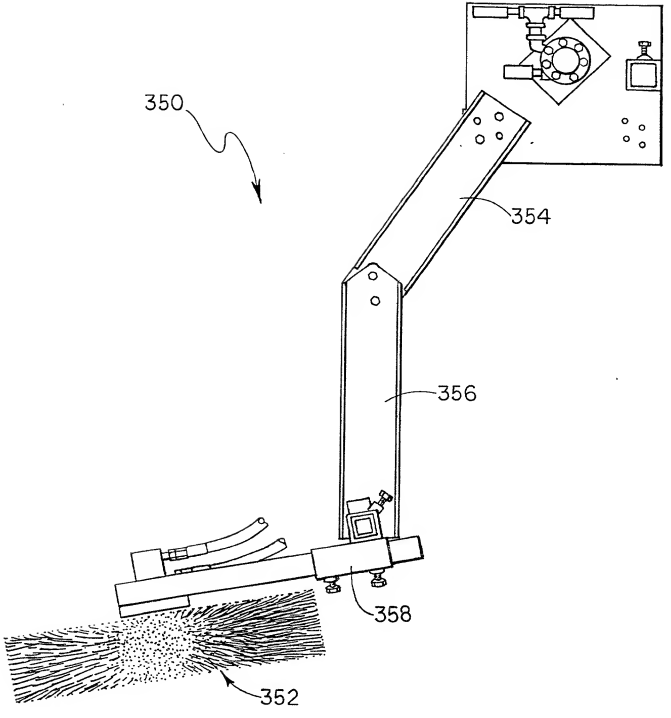


FIG. 21

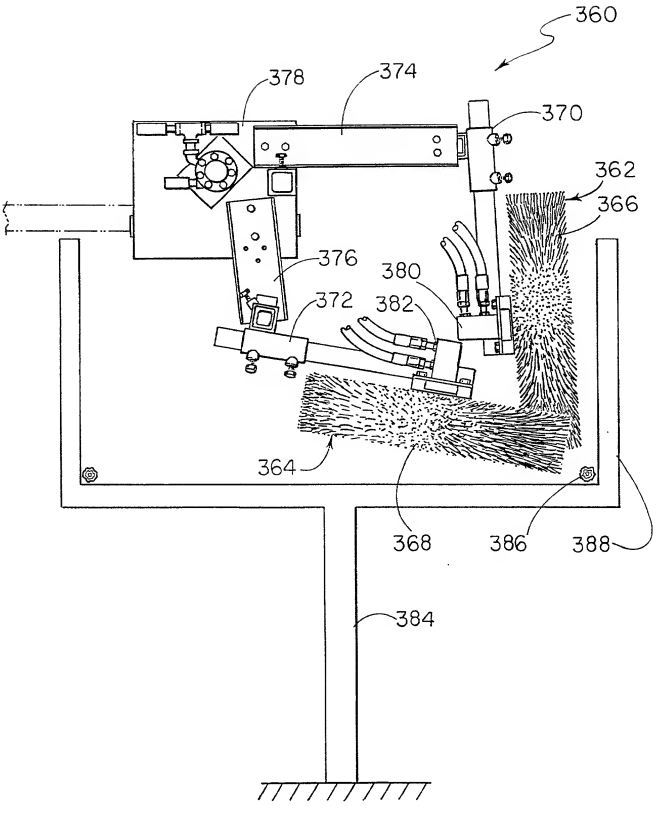


FIG. 22

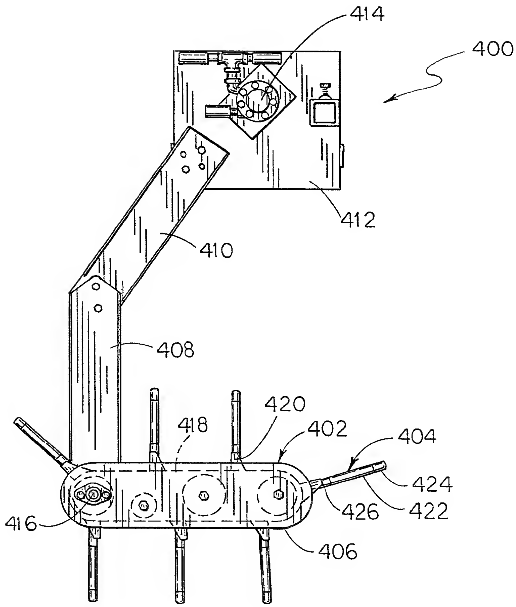


FIG. 23

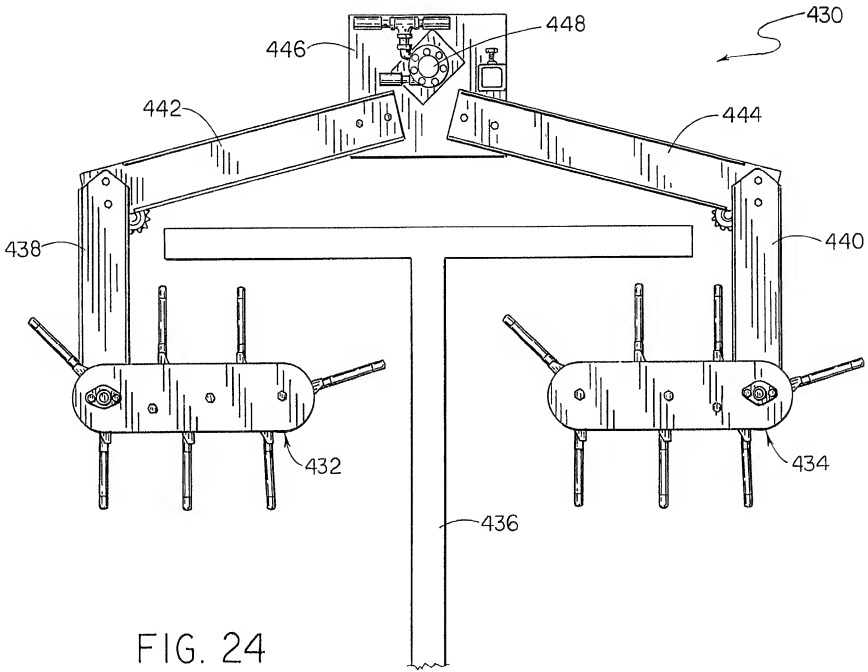


FIG. 24

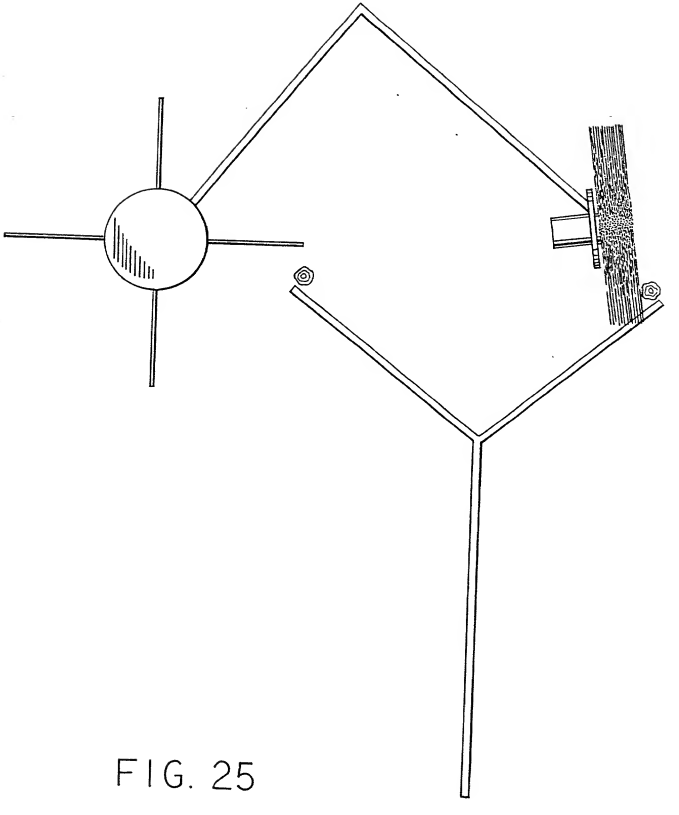


FIG. 25

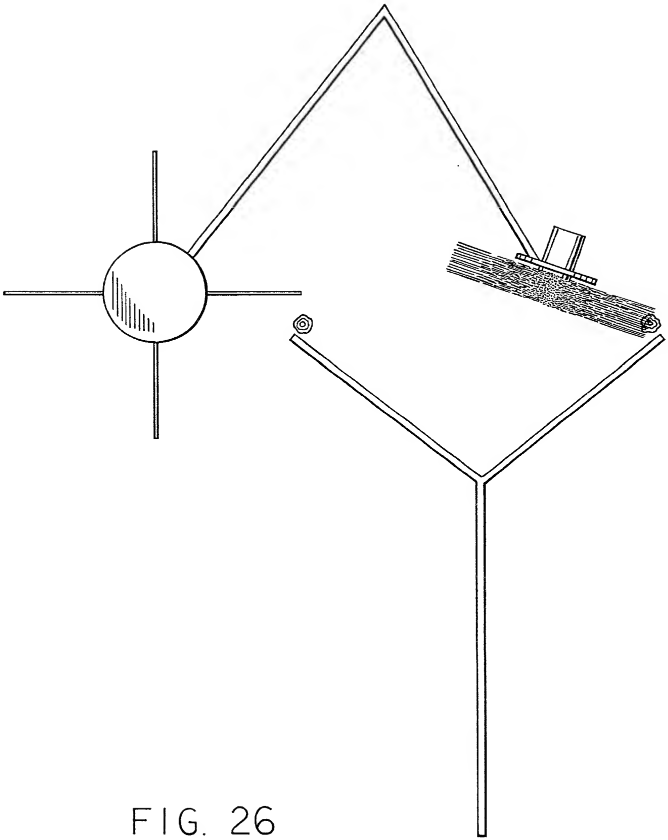


FIG. 26

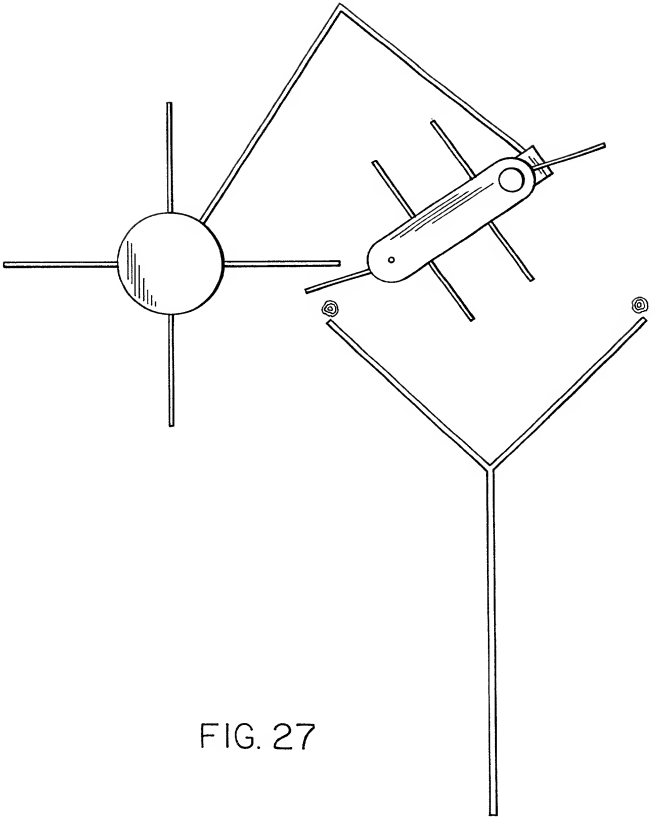


FIG. 27

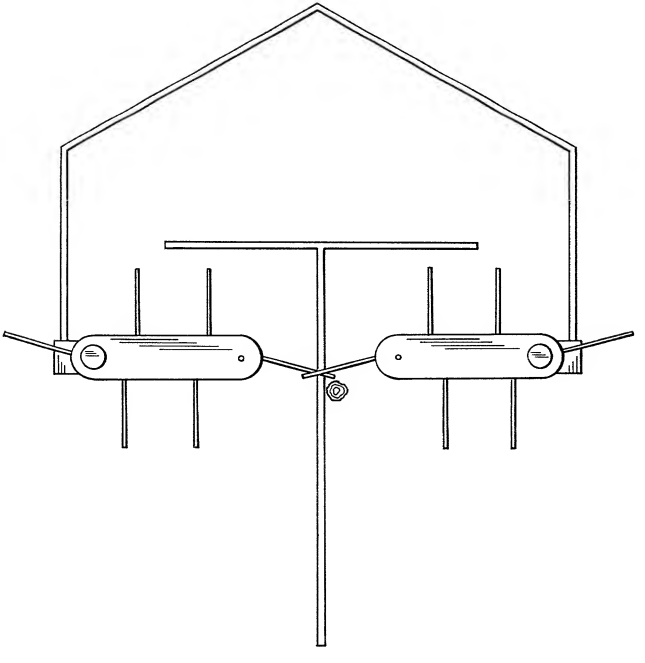


FIG. 28

FIG. 29

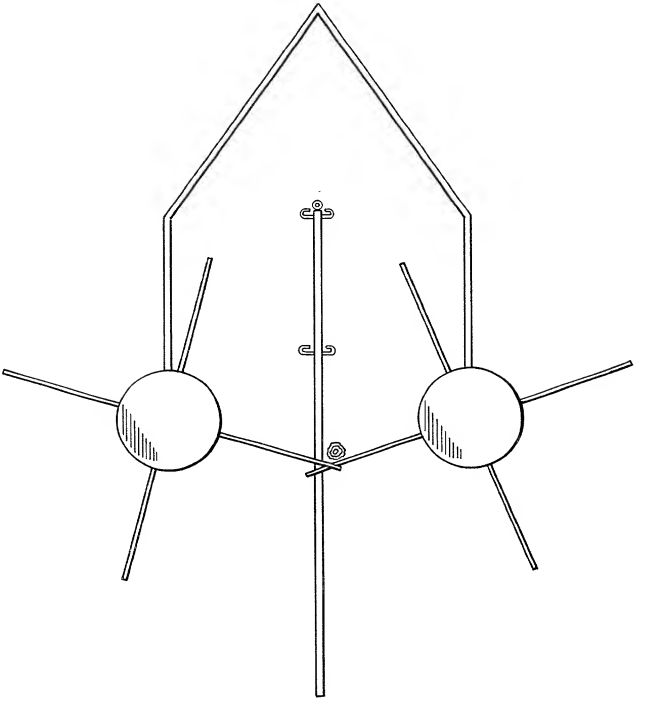


FIG. 30

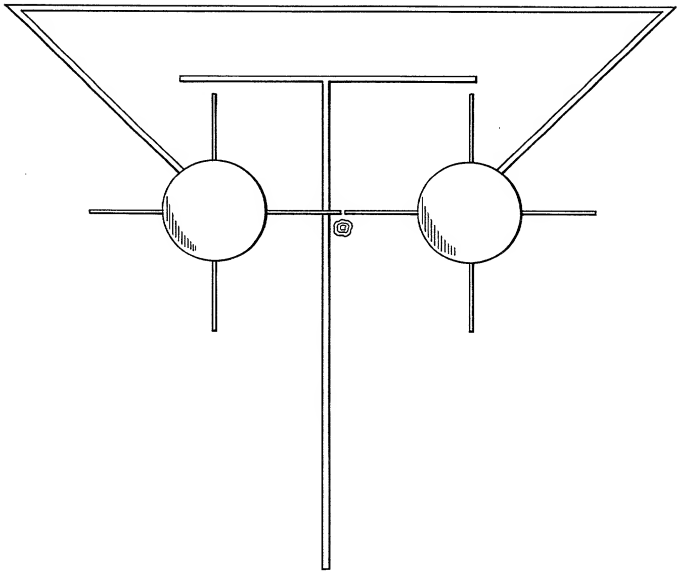


FIG. 31

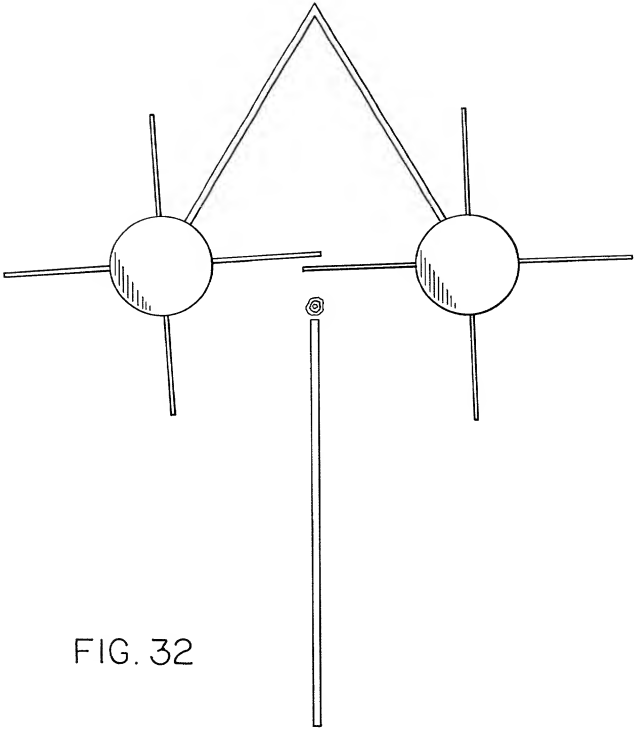


FIG. 32

FIG. 33

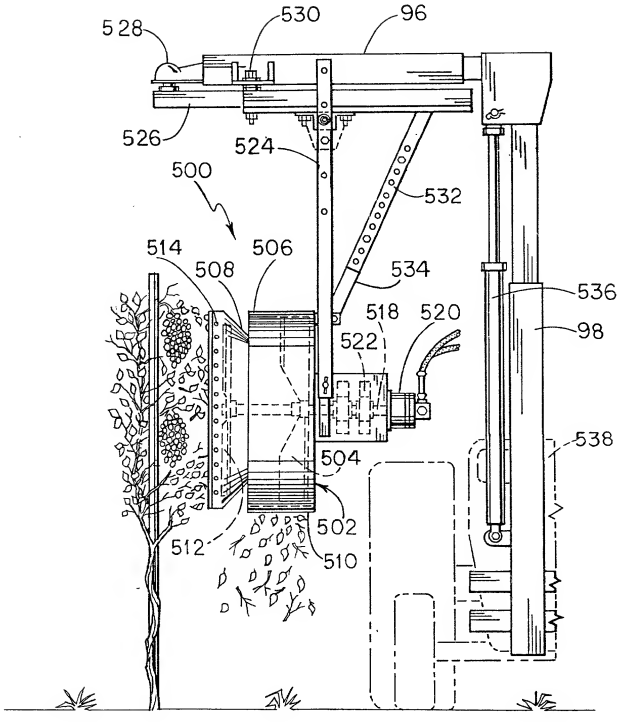

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FIG. 34

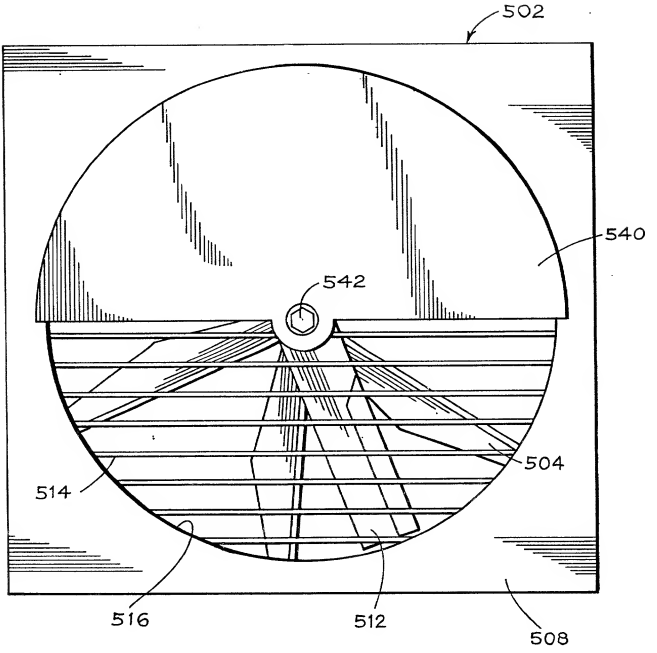

FIG. 35

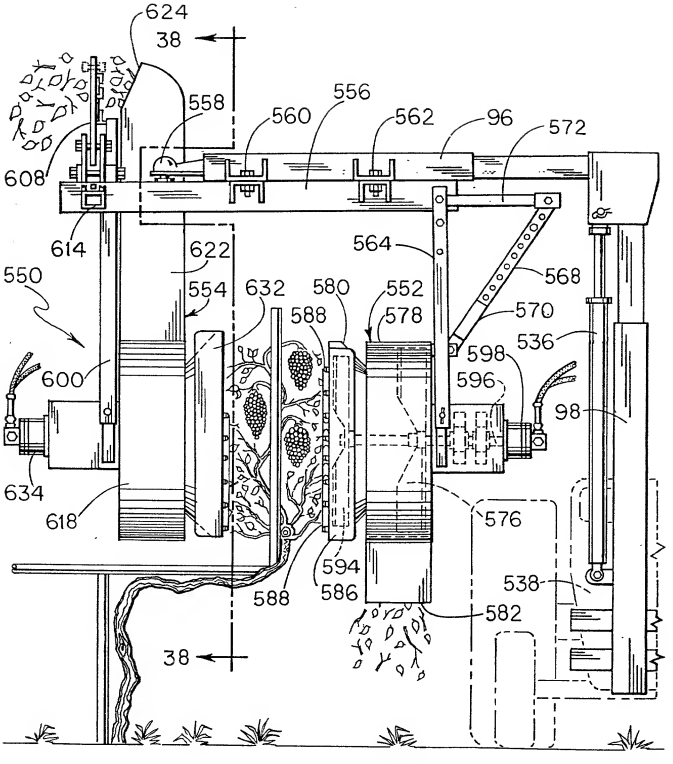

FIG. 36

FIG. 37

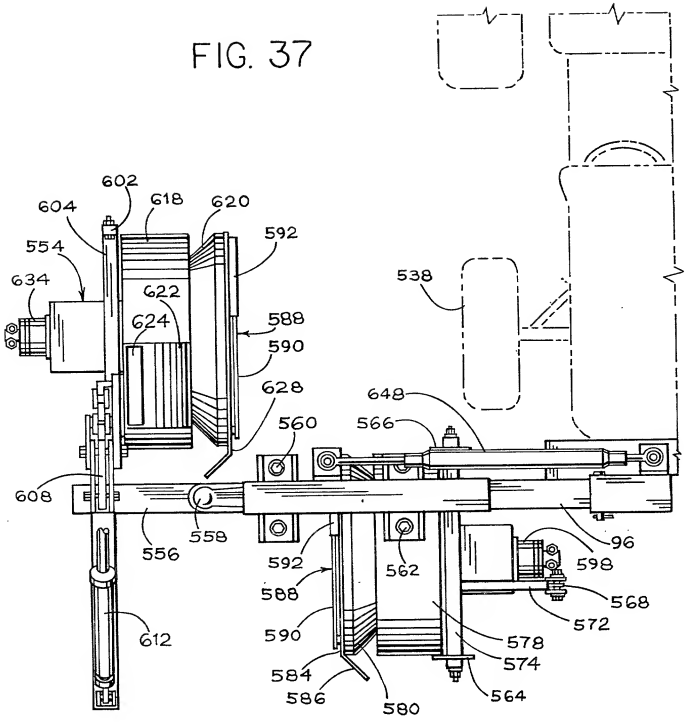
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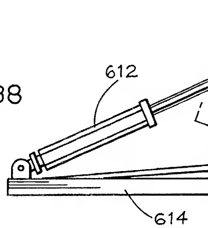
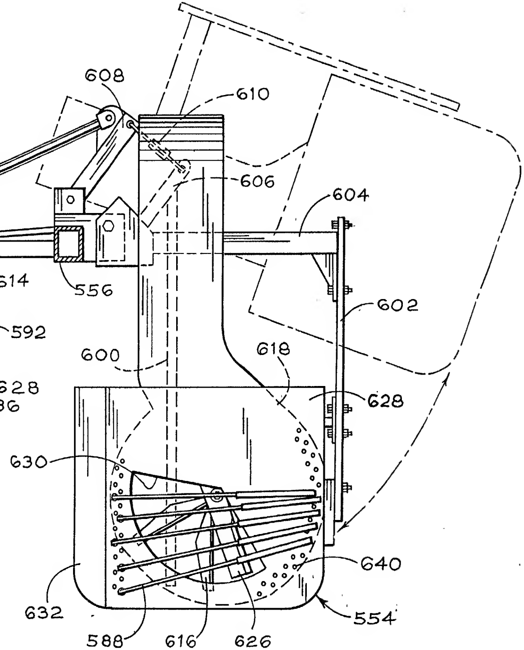
FIG. 38

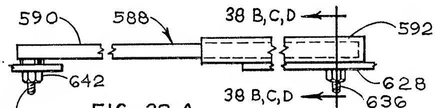


FIG. 38 A

FIG. 38B

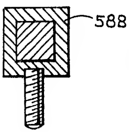


FIG. 38C

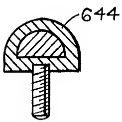


FIG. 38D

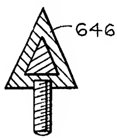
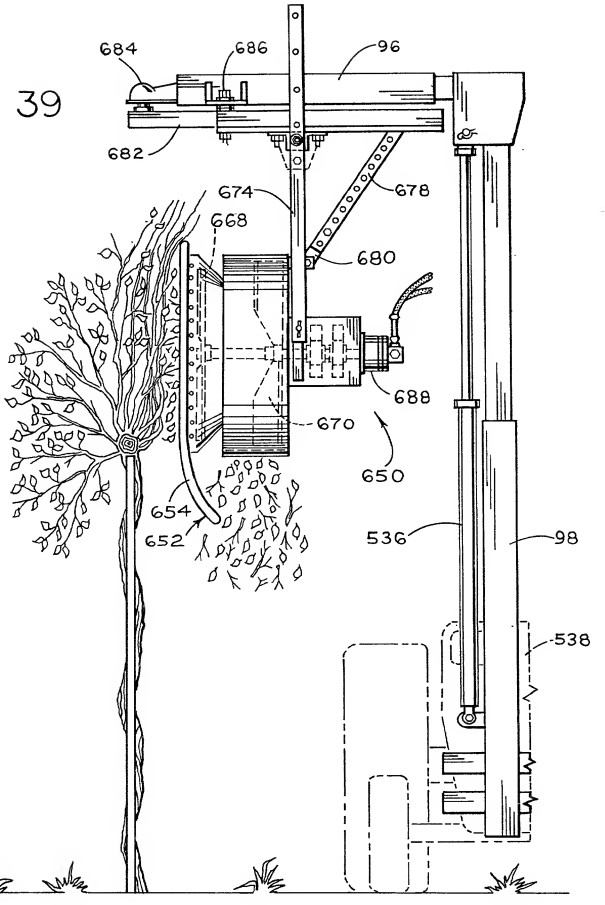


FIG. 39



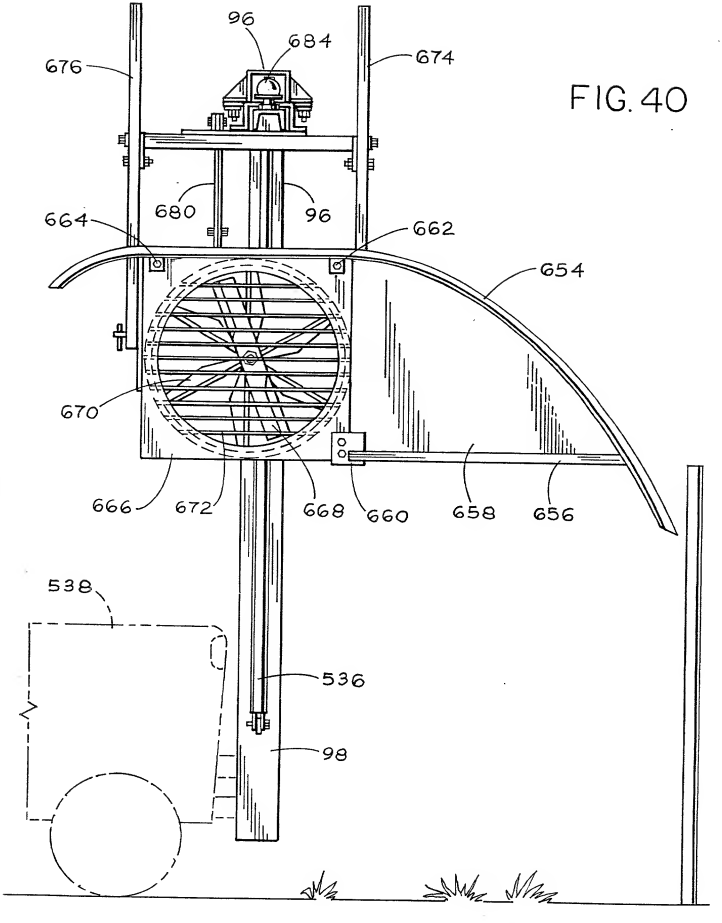

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FIG. 40

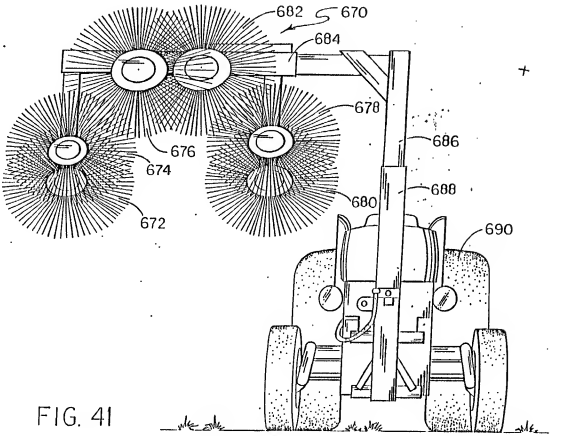

FIG. 41

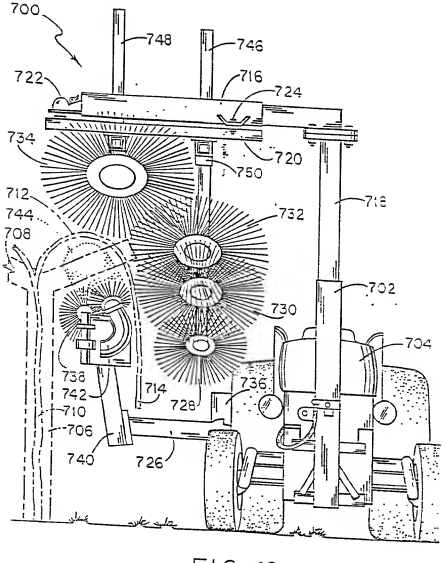

FIG. 42

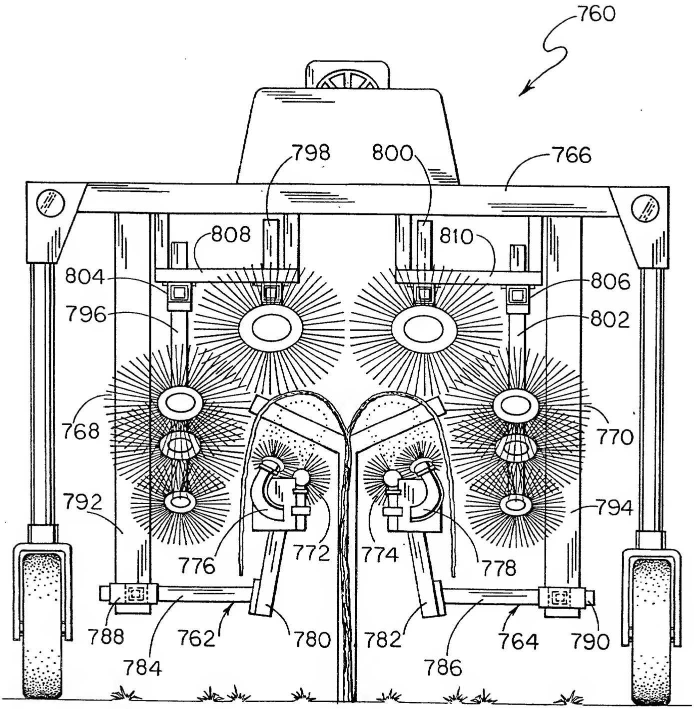
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FIG. 42A

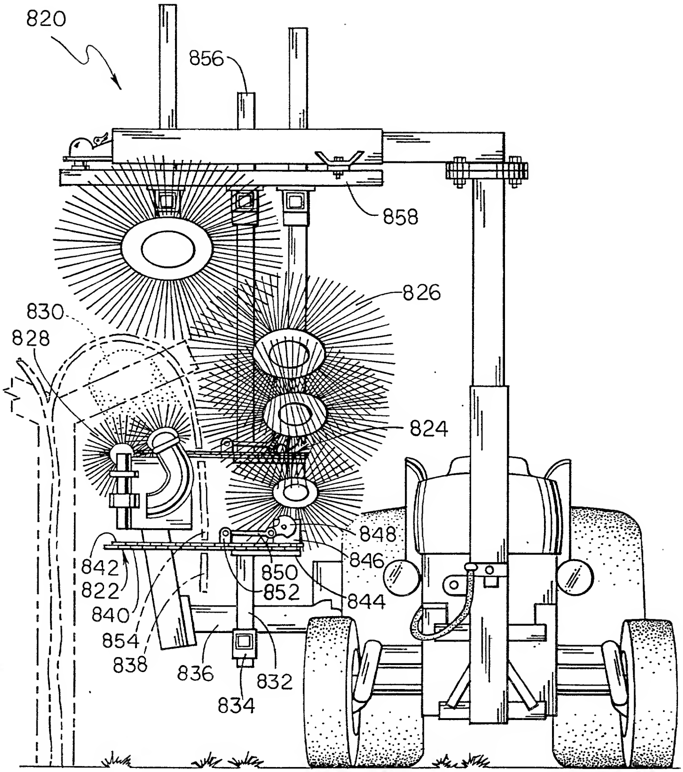
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FIG. 43

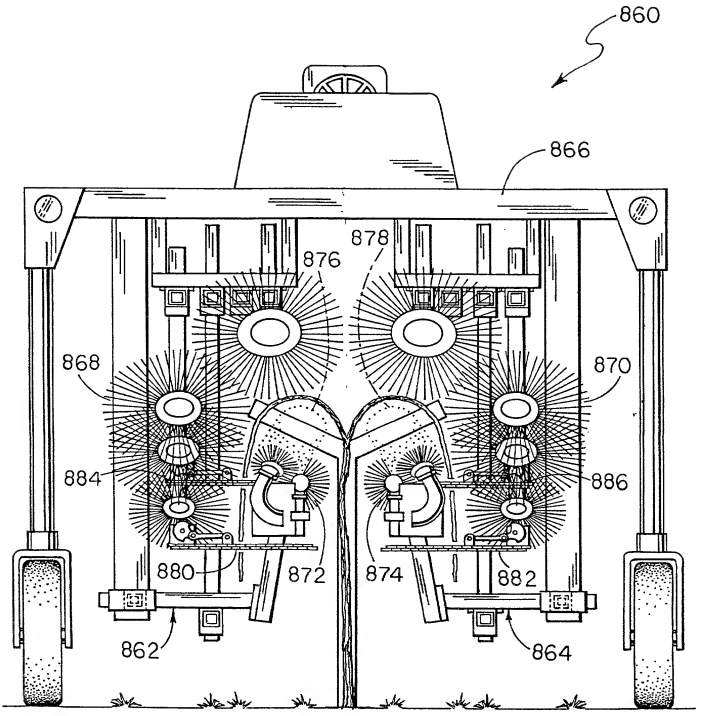


FIG. 43A

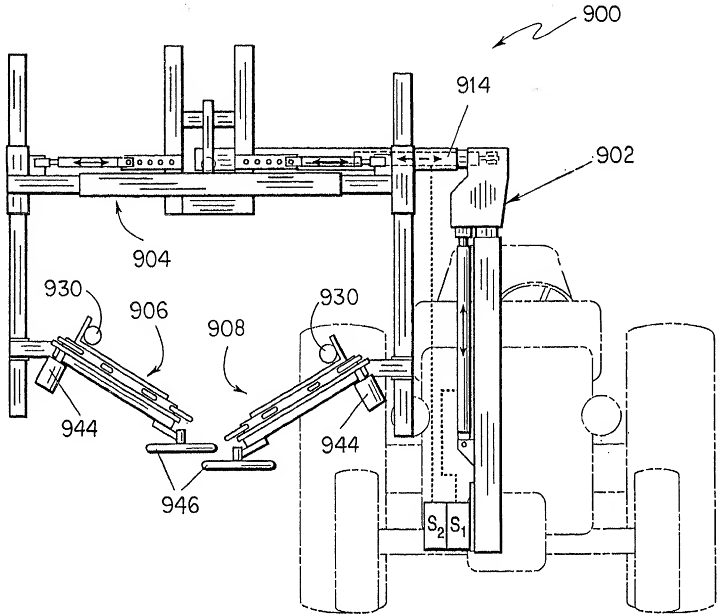
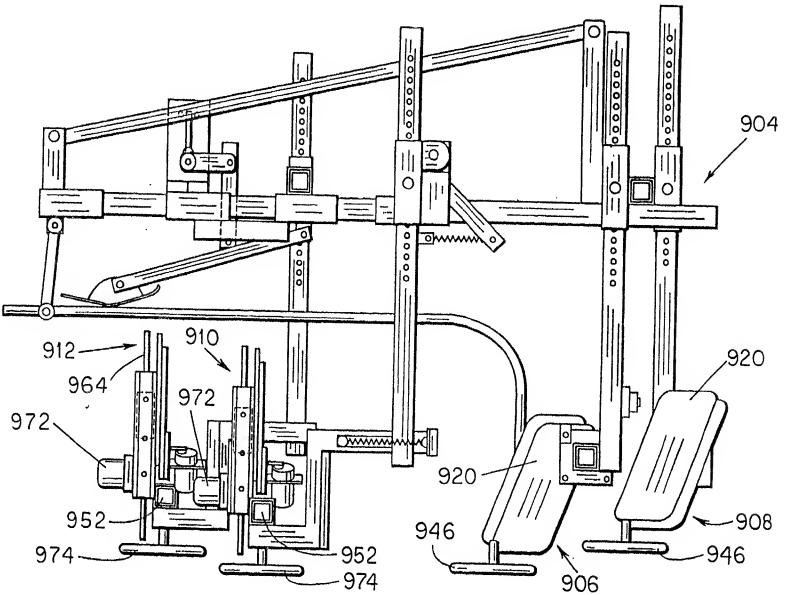


FIG. 44

FIG. 45



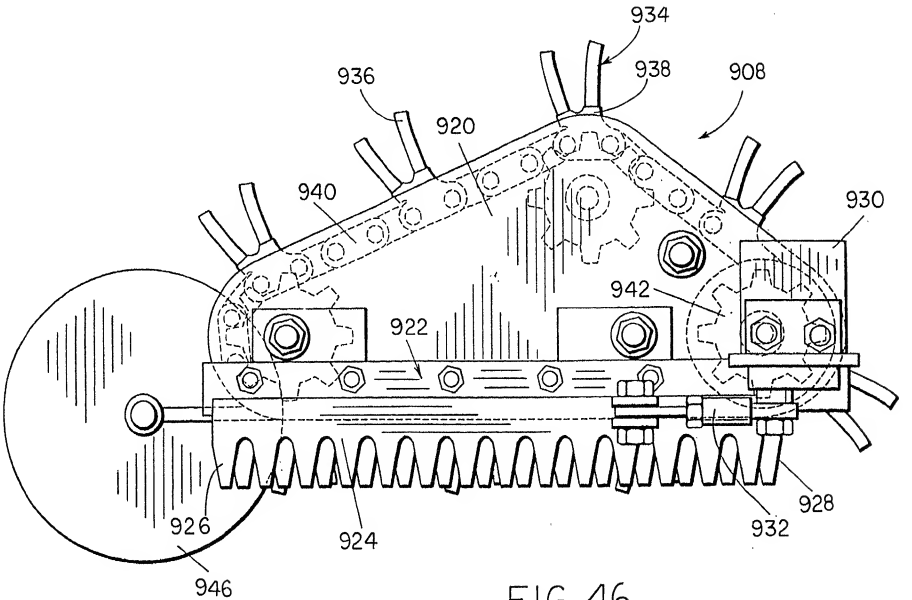


FIG. 46

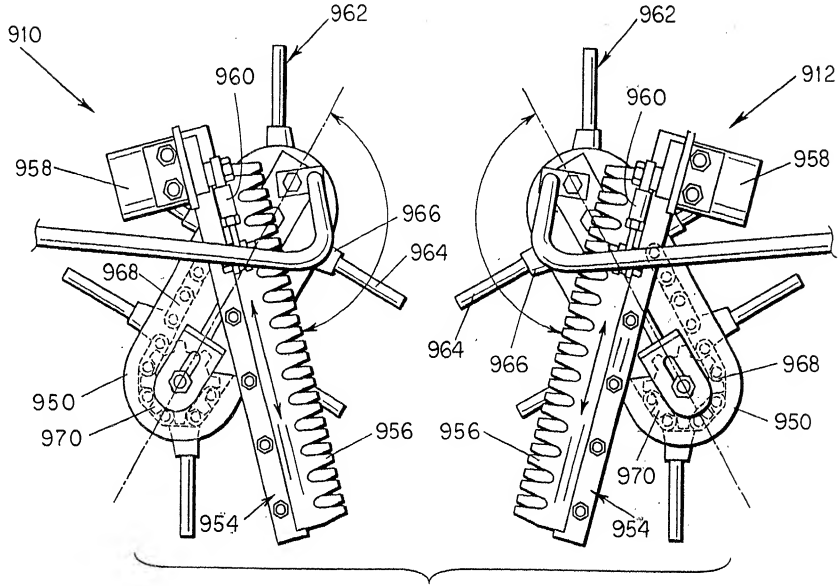

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FIG. 47

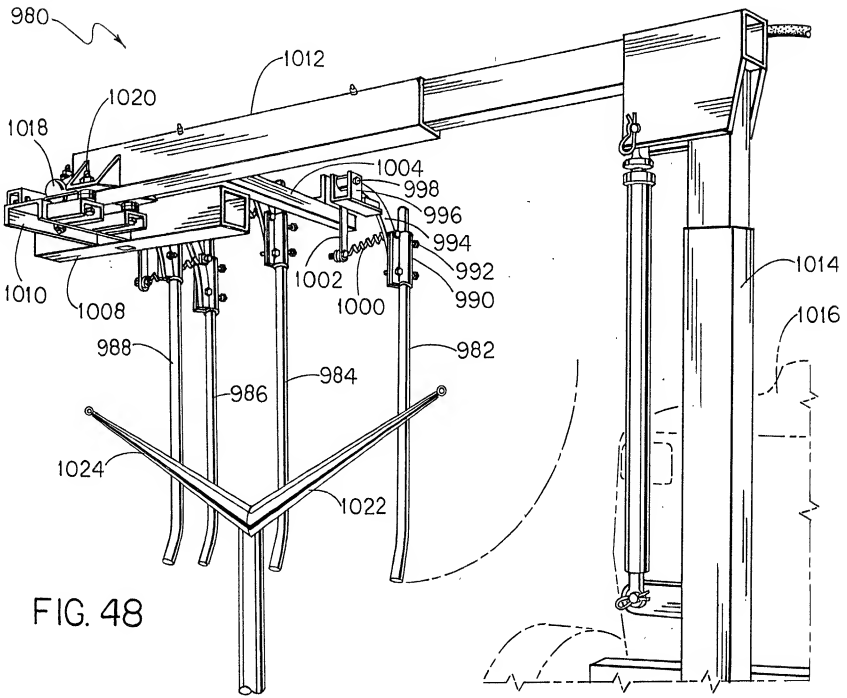
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FIG. 48

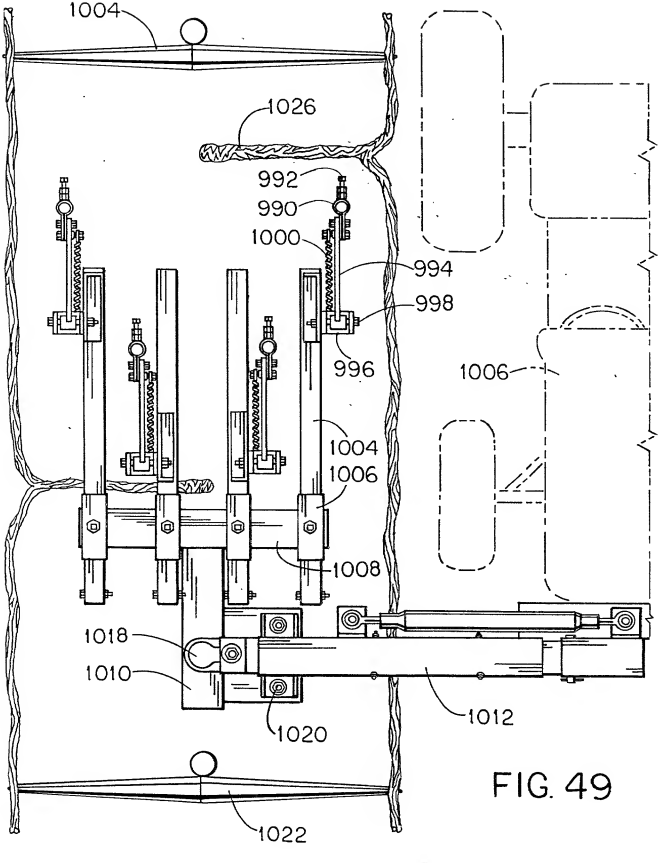
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FIG. 49

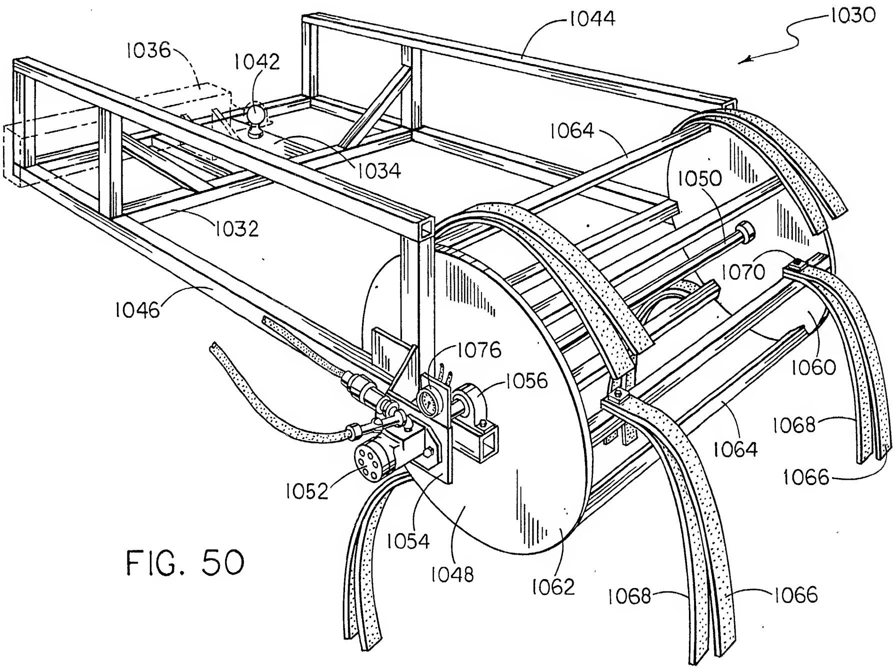
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FIG. 50

FIG. 51

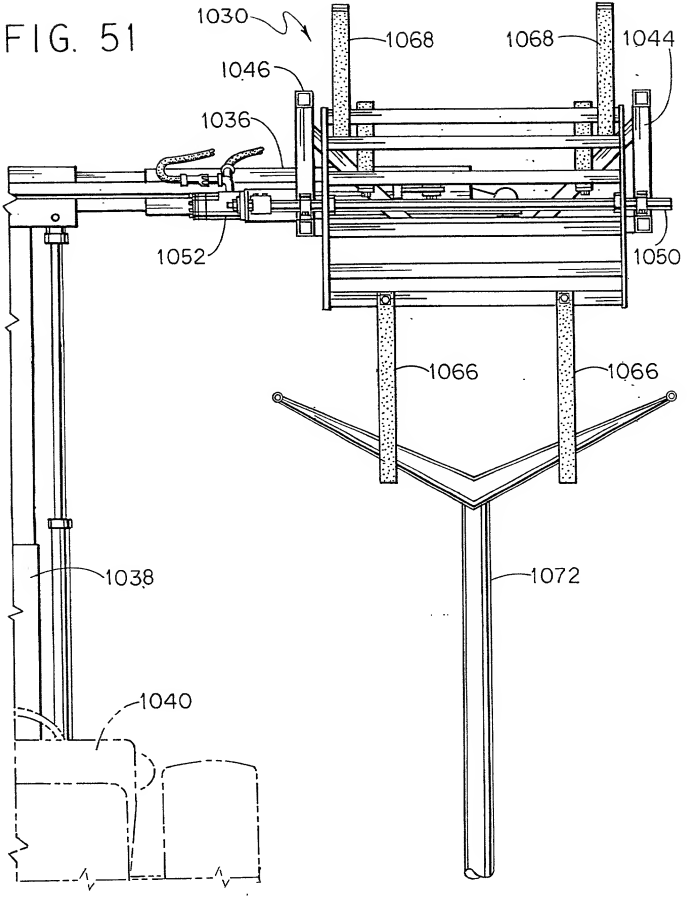
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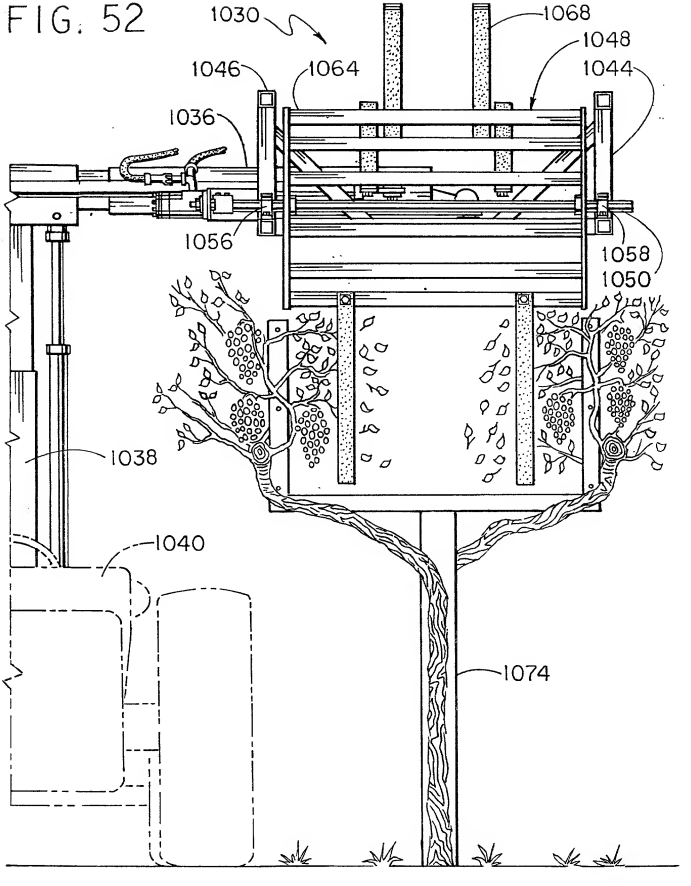
FIG. 52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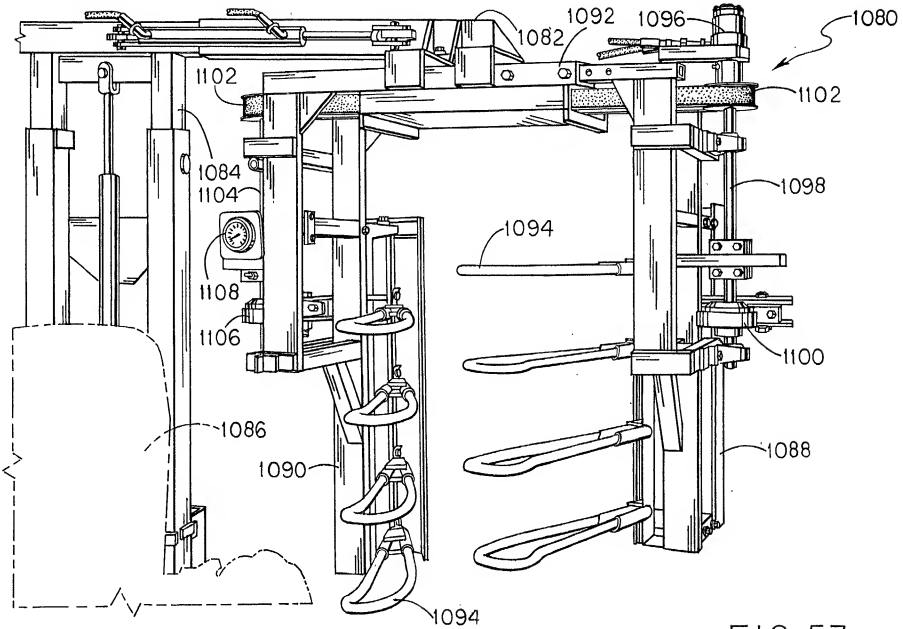
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FIG. 53

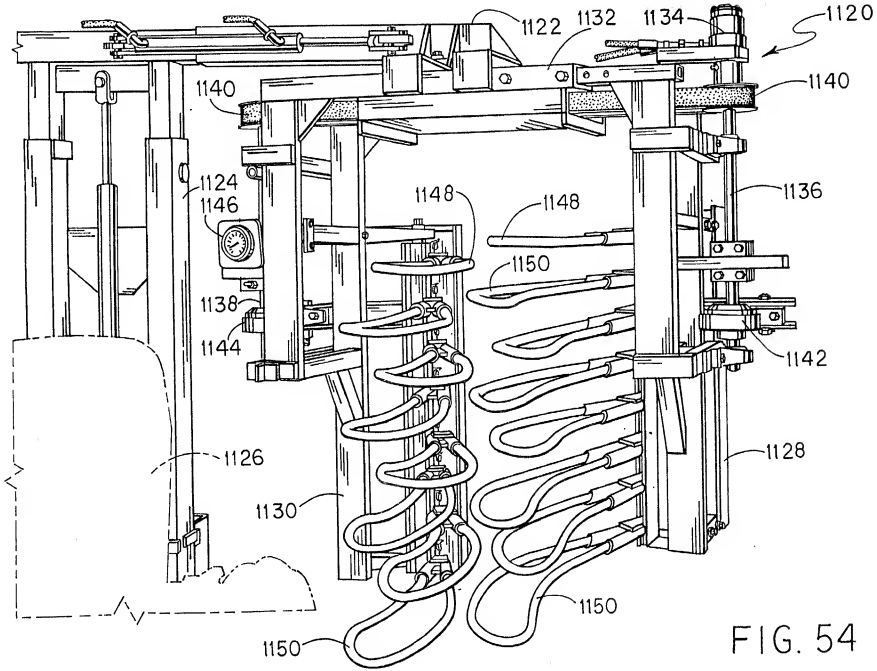
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FIG. 54

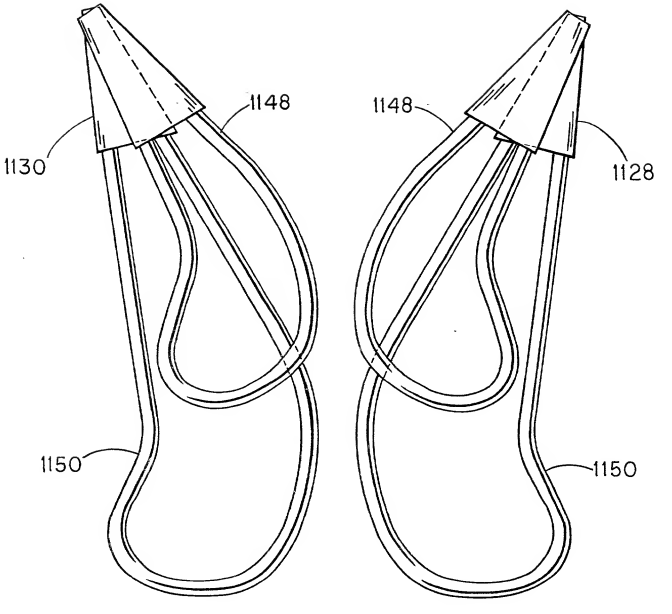

FIG. 55

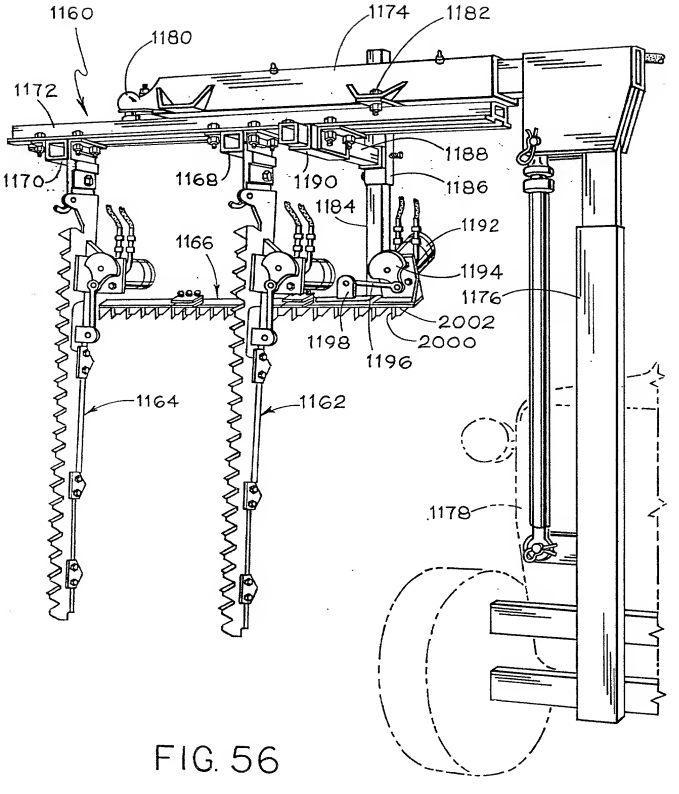
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FIG. 56

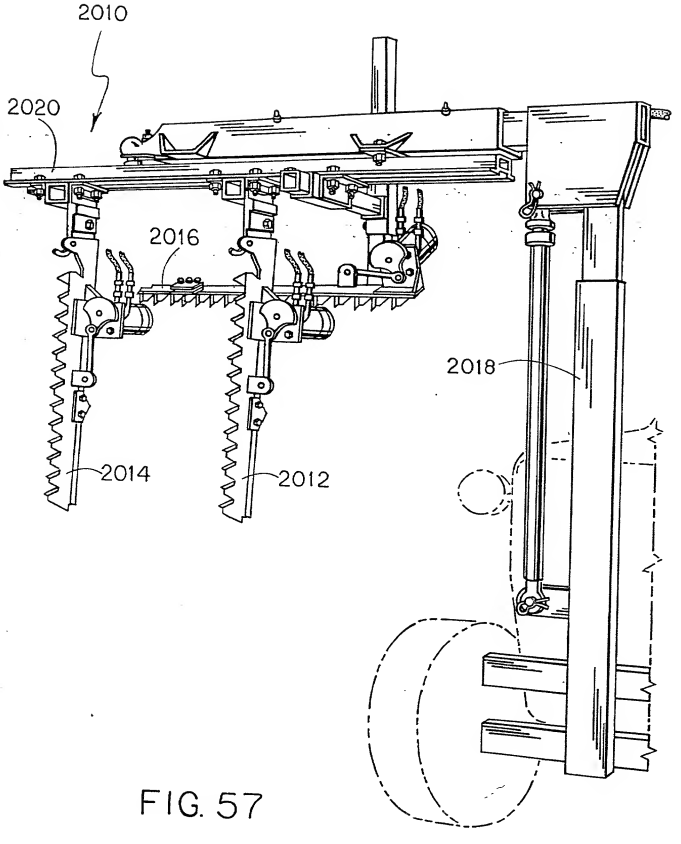

FIG. 57

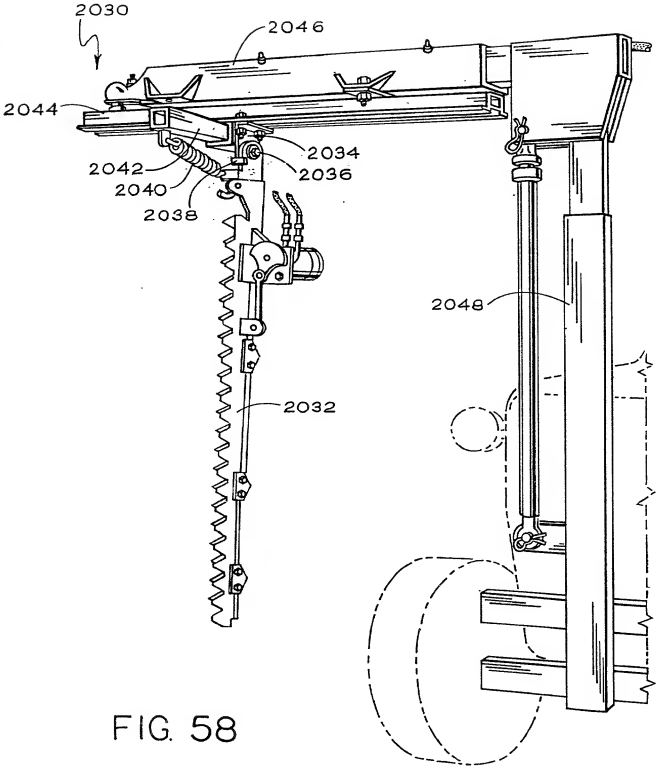

FIG. 58

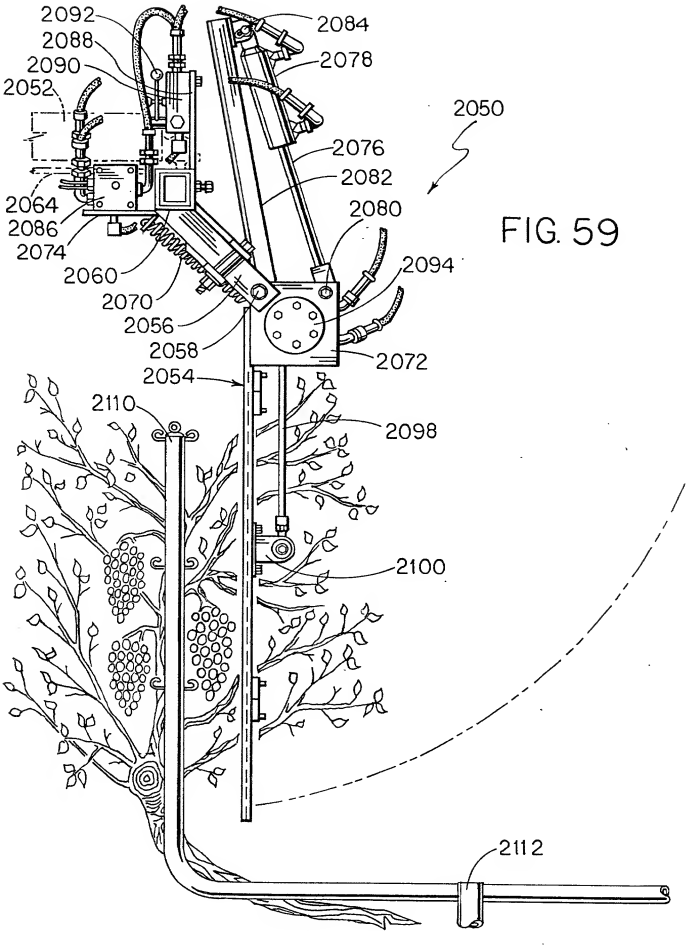

FIG. 59

FIG. 60

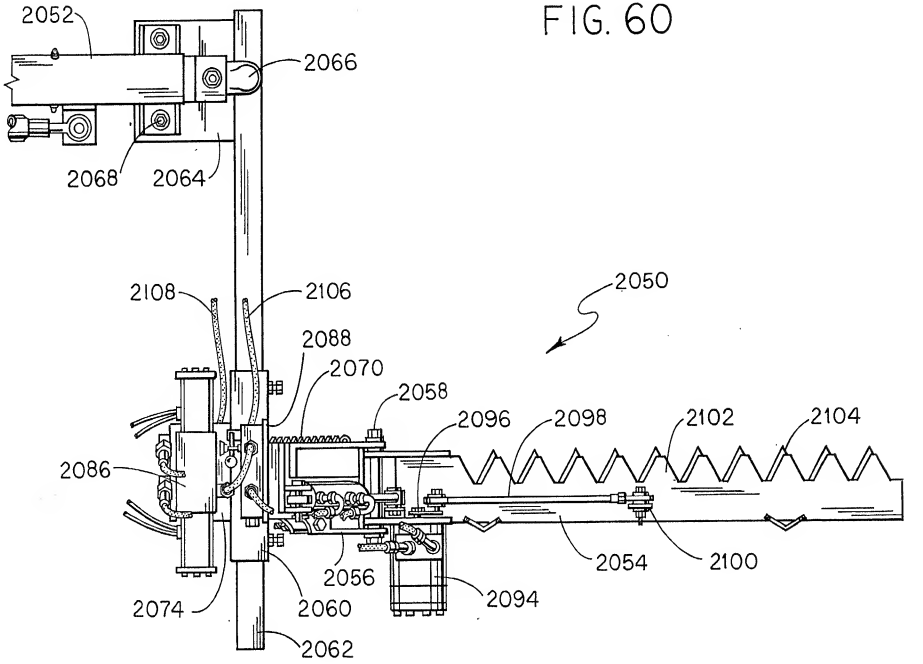
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FIG. 61

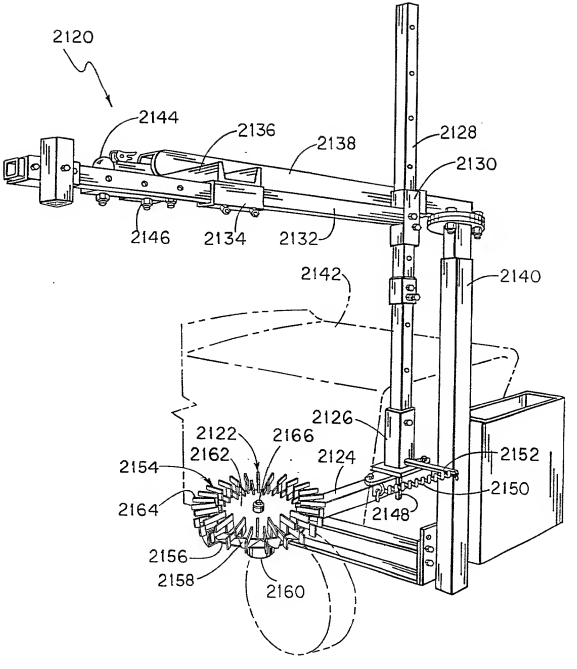
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FIG. 62

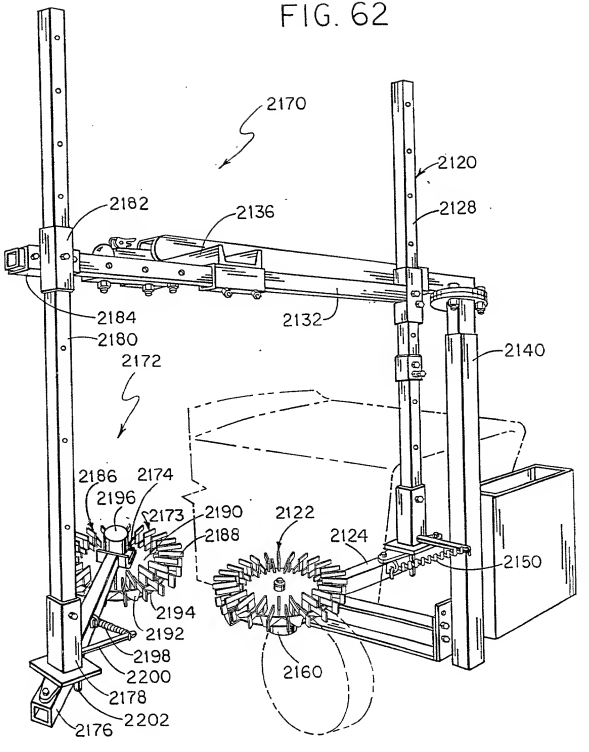
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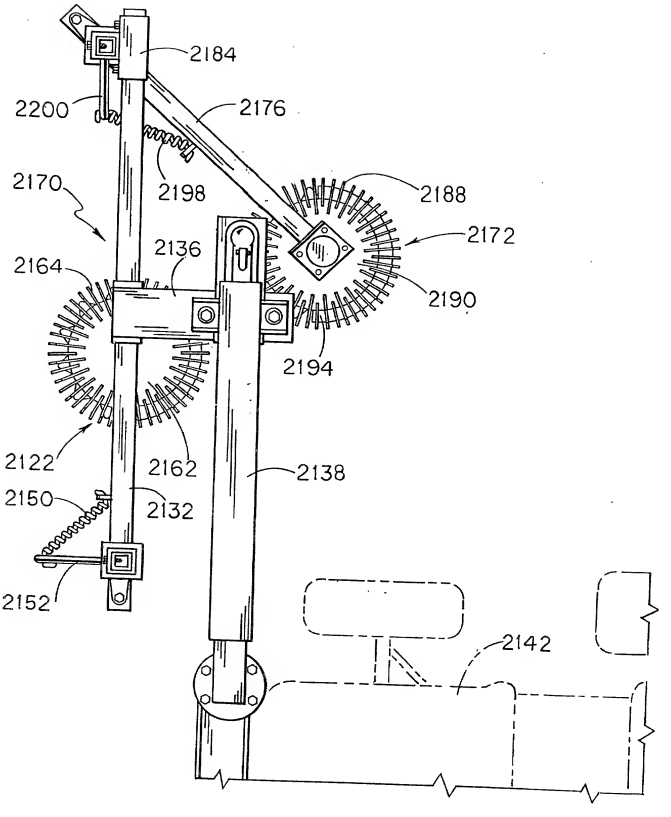
FIG. 63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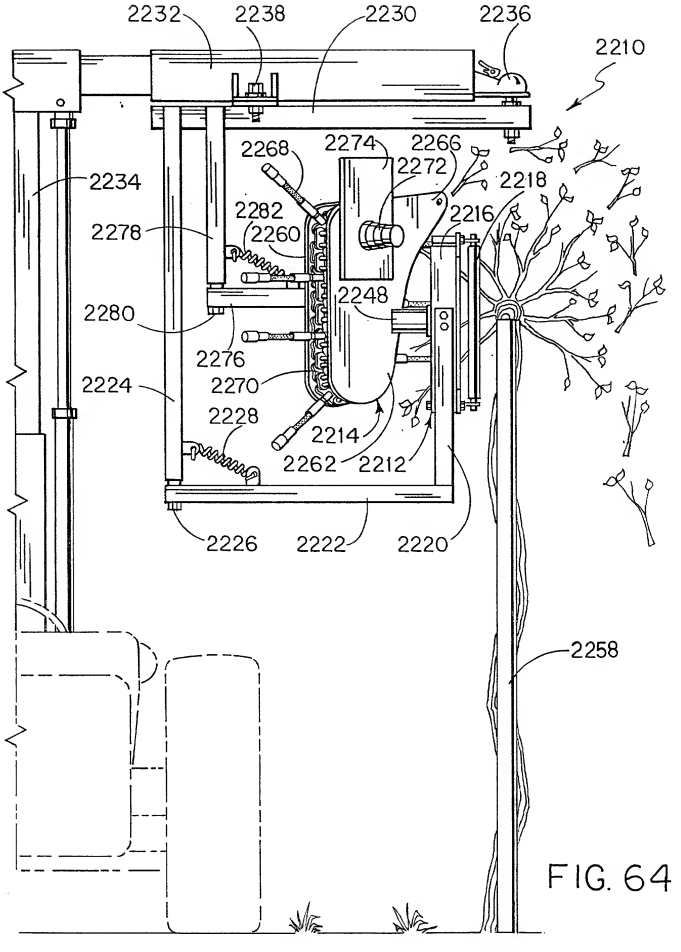
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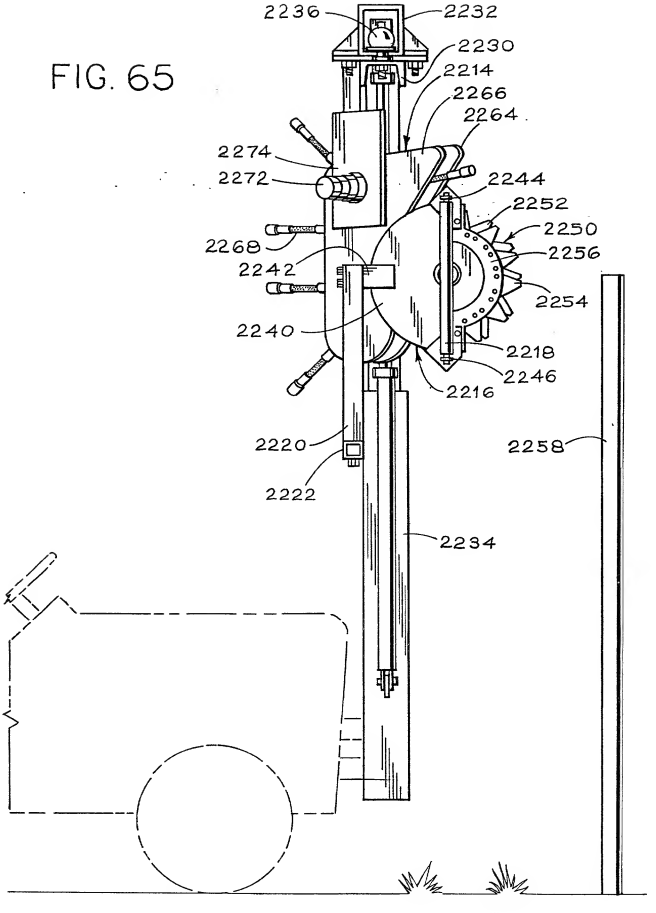
FIG. 64

FIG. 65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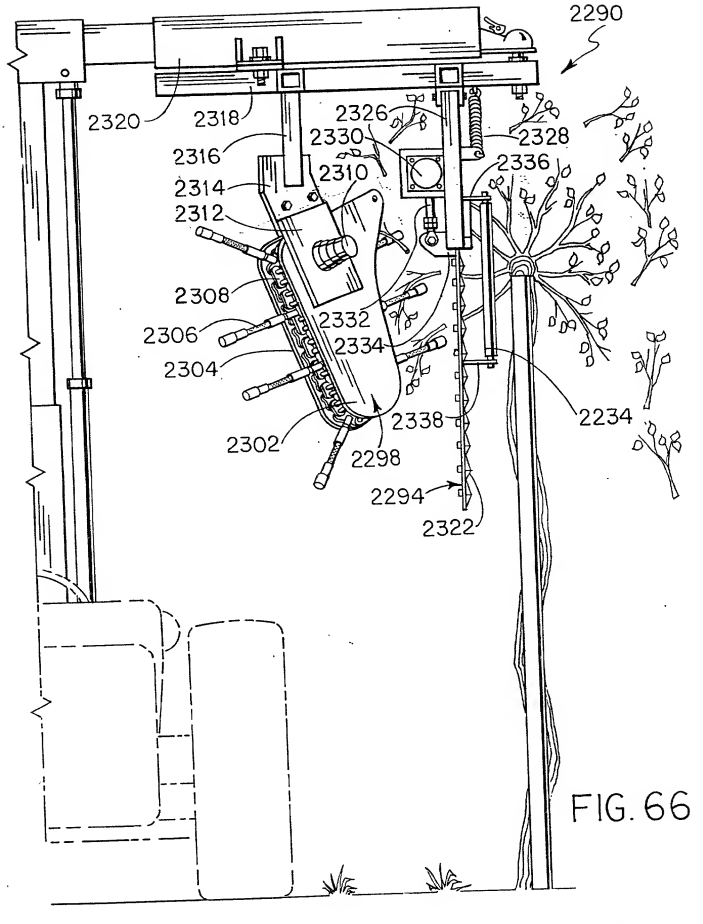
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FIG. 66

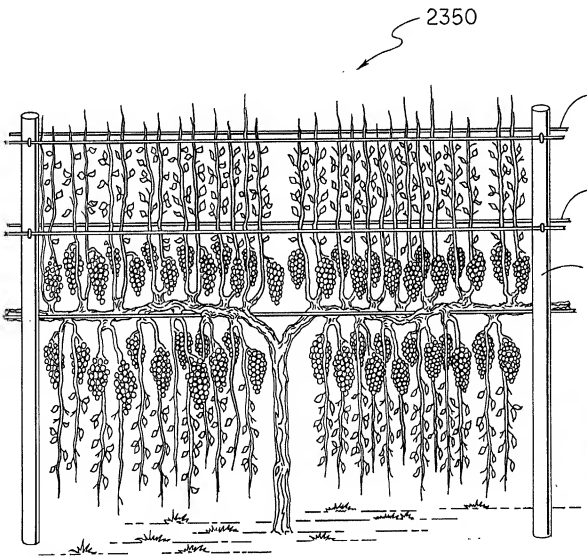

FIG. 67

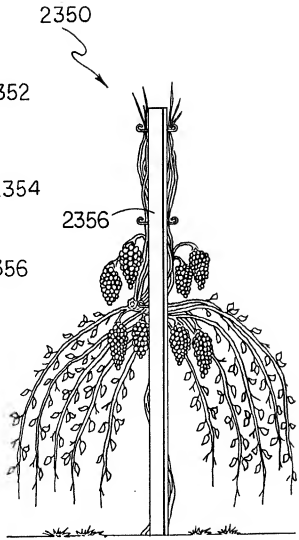

FIG. 68

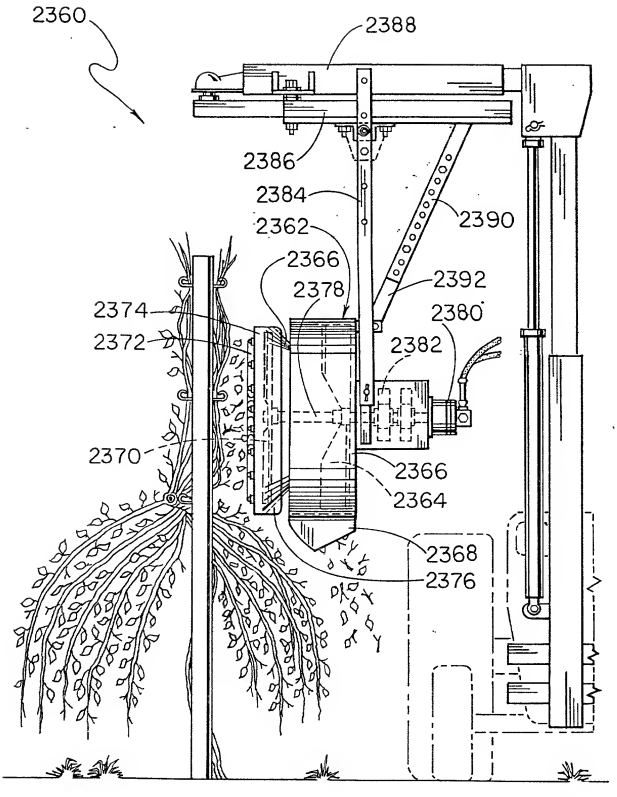
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FIG. 69

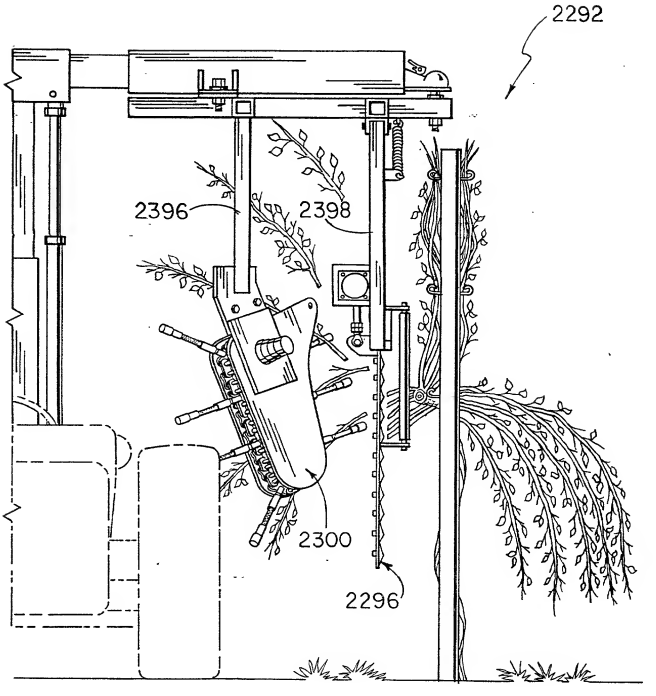

FIG. 70

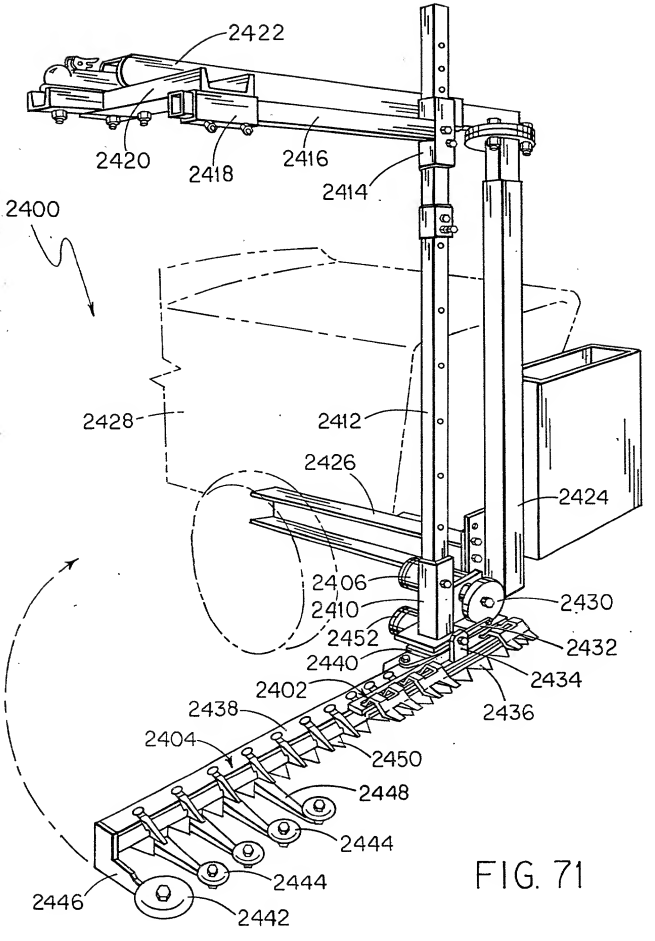
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FIG. 71

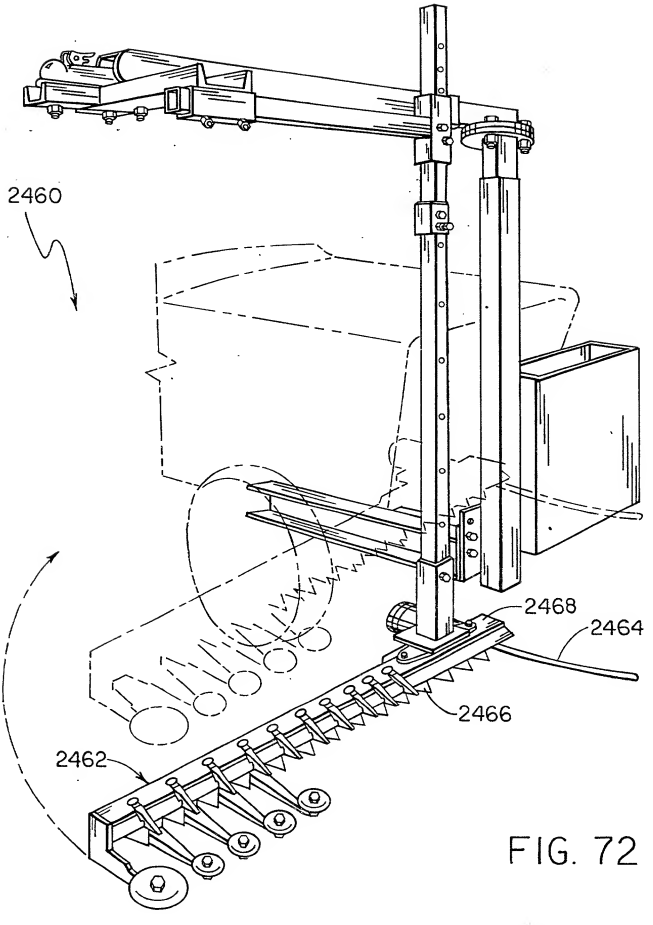
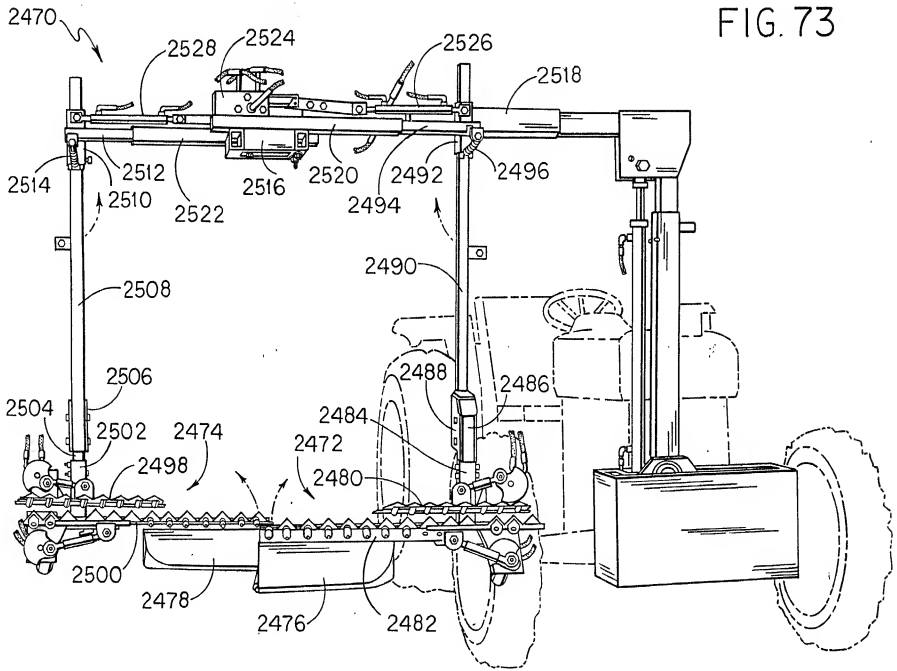


FIG. 72

FIG. 73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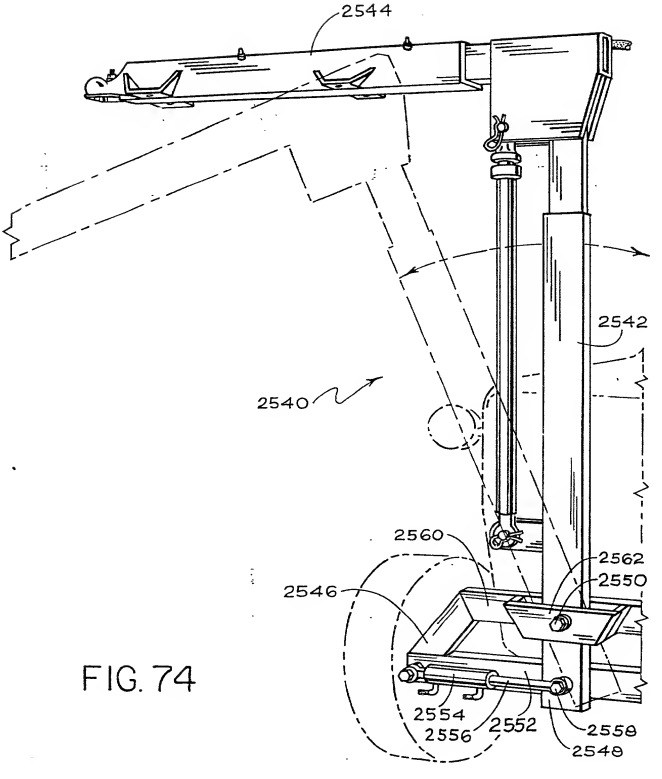

FIG. 74

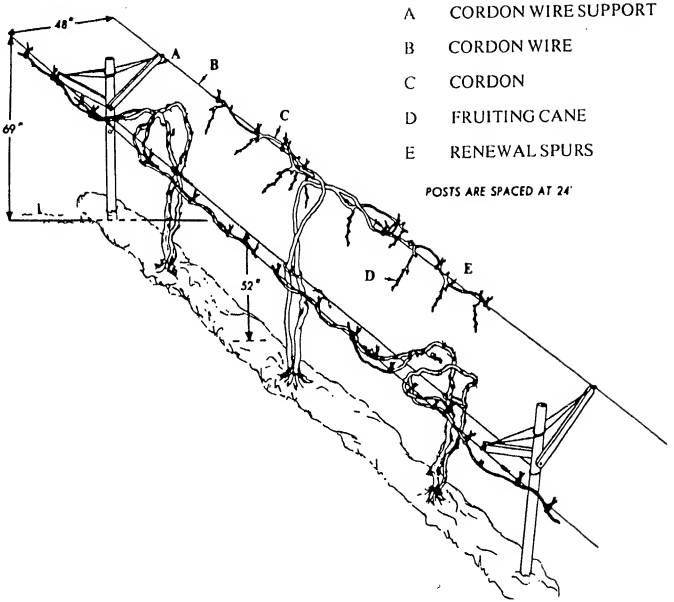
48"
69"
52"
A
B
C
D
E
A CORDON WIRE SUPPORT
B CORDON WIRE
C CORDON
D FRUITING CANE
E RENEWAL SPURS
POSTS ARE SPACED AT 24'

FIG. 75

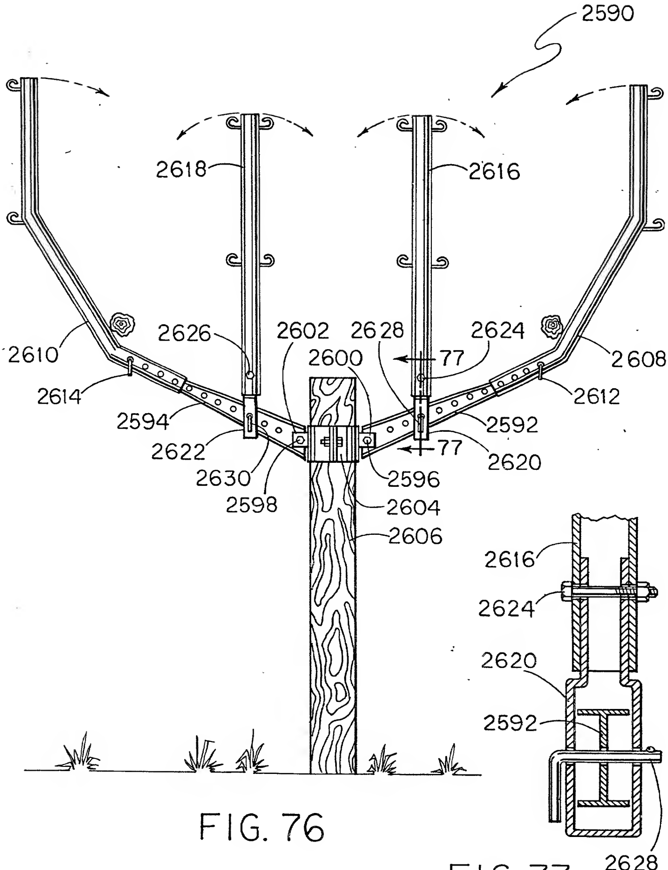
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FIG. 76

FIG. 77

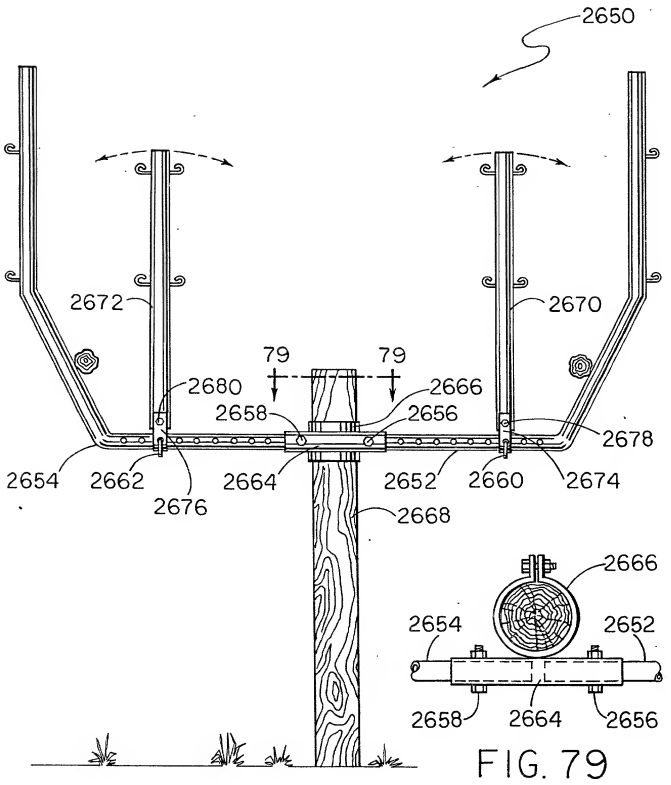
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FIG. 79

FIG. 78

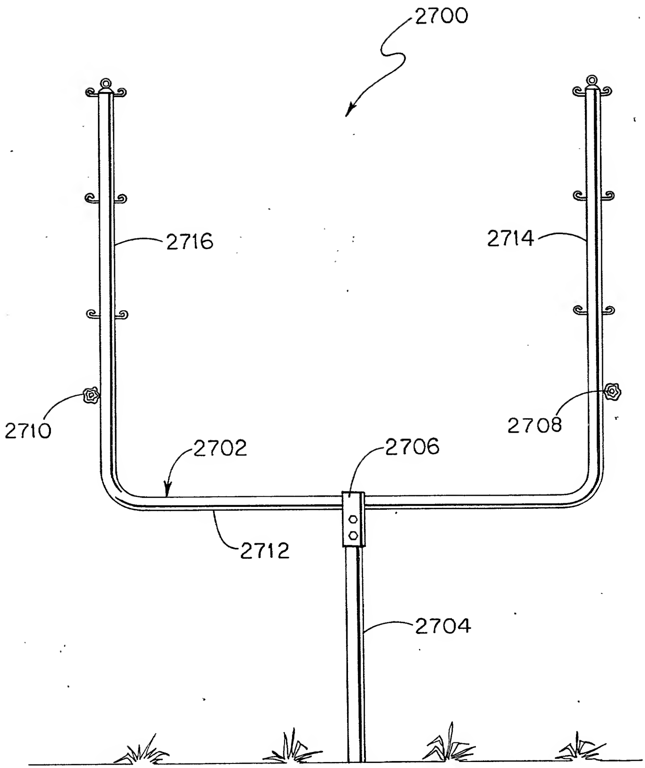

FIG. 80

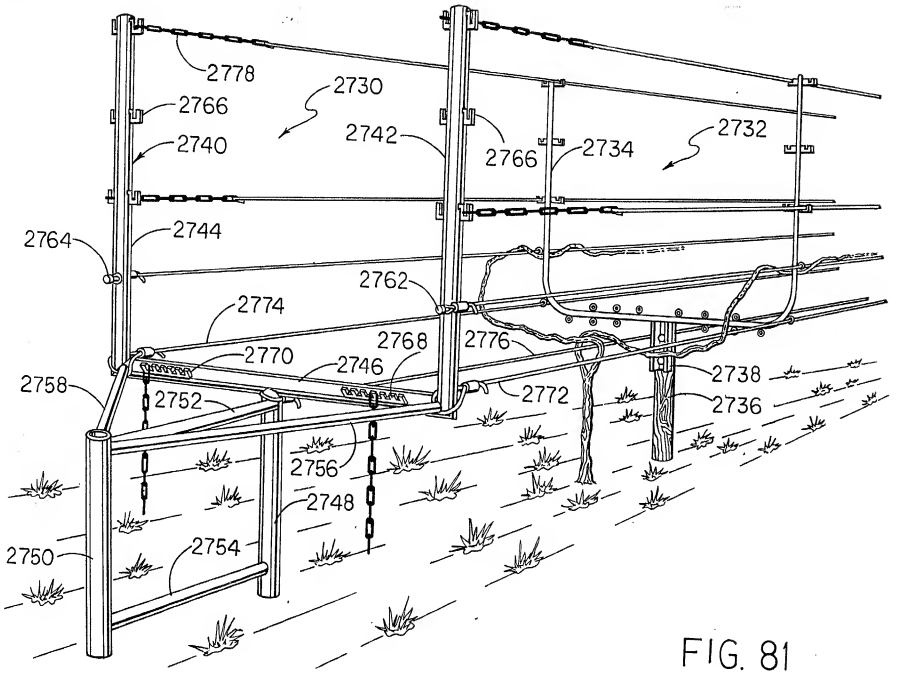
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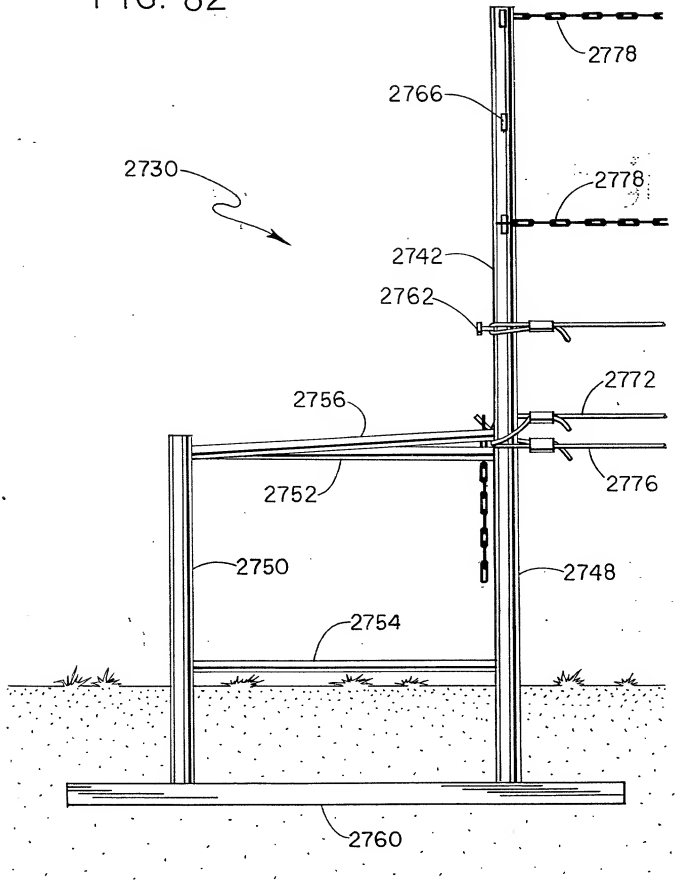
FIG. 81

FIG. 82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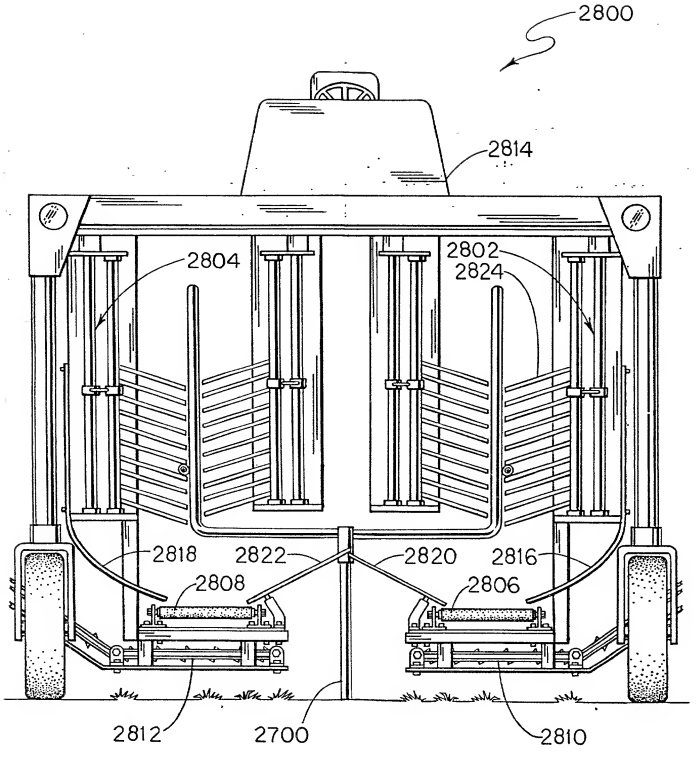
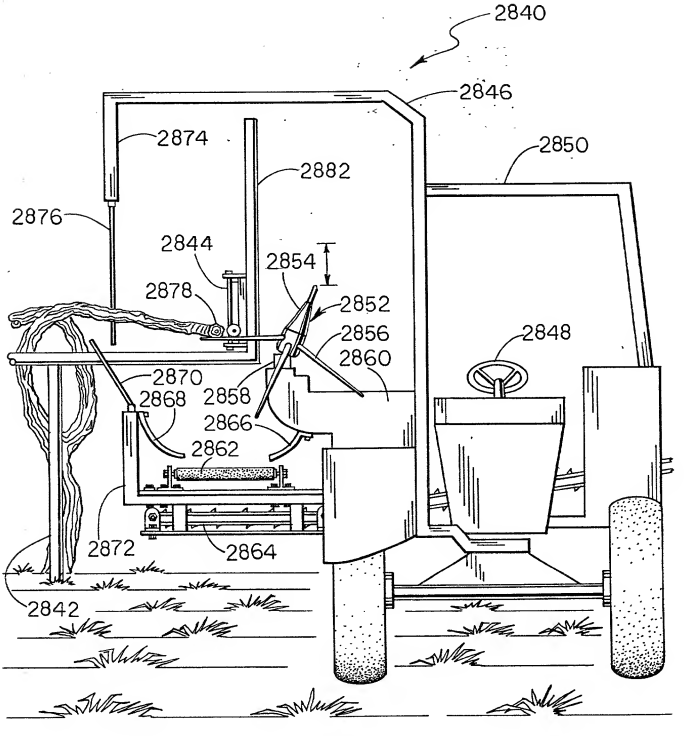


FIG. 83

FIG. 84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2872
2864
2842

FIG. 84A

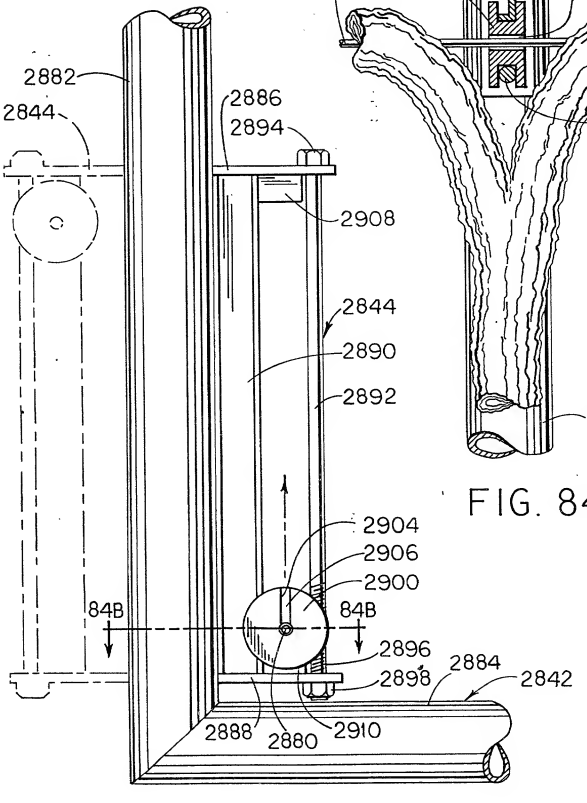

FIG. 84B

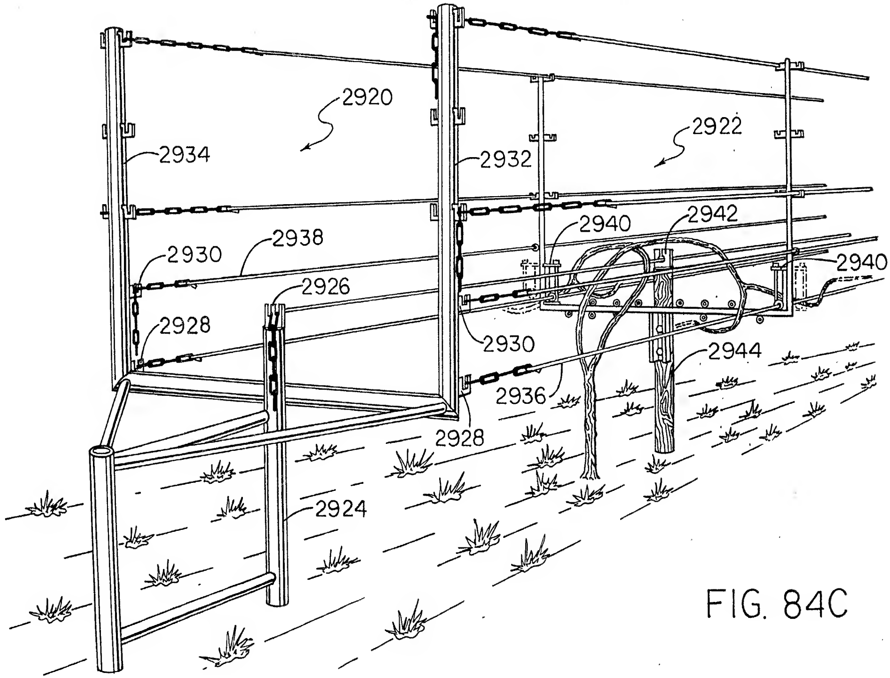

FIG. 84C

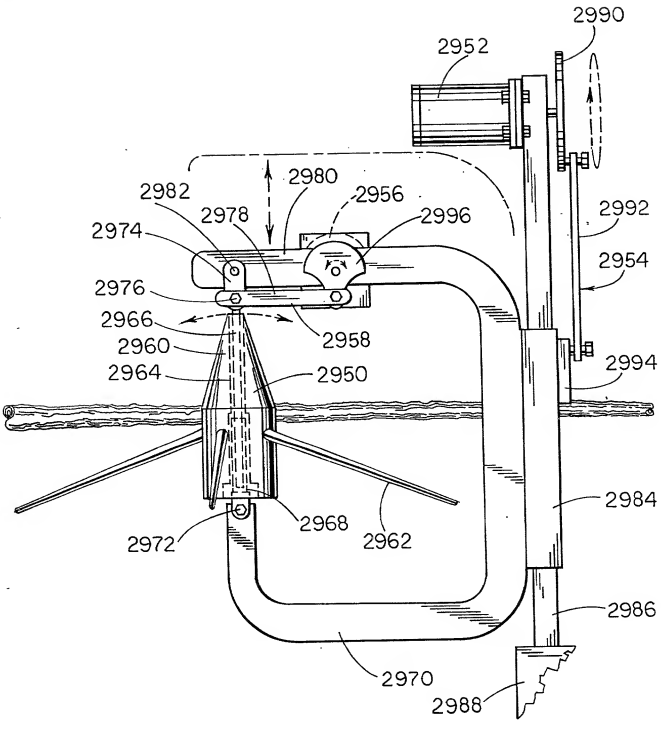
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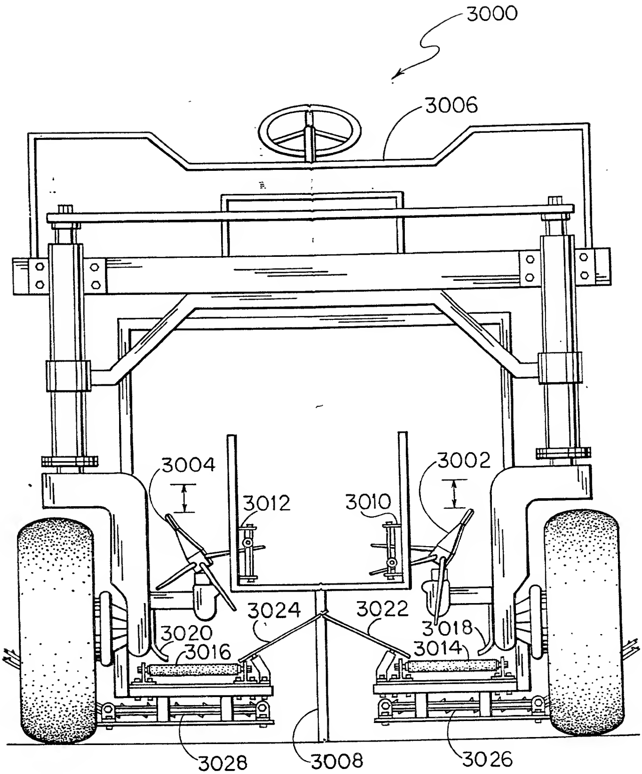
FIG. 84D


3000
3006
3004
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3012
3010
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3016
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3014
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3026

FIG. 85

I. SEASONAL CHART FOR VINEYARD MECHANIZATION ACTIVITIES OF VITIS LABRUSCANA (and other grapes with drooping growth habits) ON SINGLE CURTAIN TRELLIS

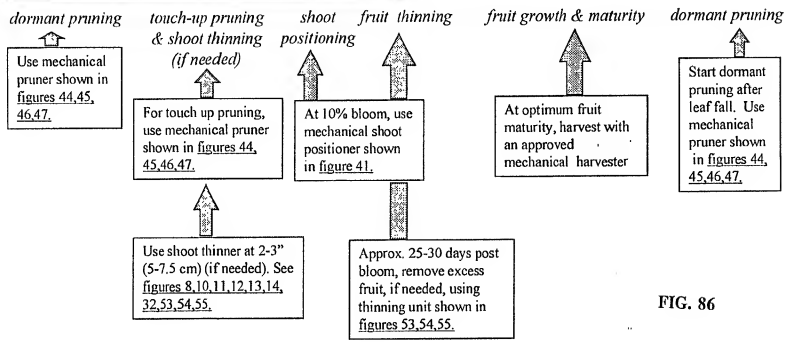

FIG. 86

Exact date of each operation will depend on the viticultural region. The exact date can vary from region to region by as much as 3-4 weeks (depending on the cultivar). Therefore, mechanical operation should be based on physiological growth of the vine. Of course, the seasons in the southern hemisphere are opposite.

II. SEASONAL CHART FOR VINEYARD MECHANIZATION ACTIVITIES OF VITIS LABRUSCANA (and other grapes with drooping growth habits) ON GDC TRELLIS AND GDC-LIKE CANOPY SYSTEMS

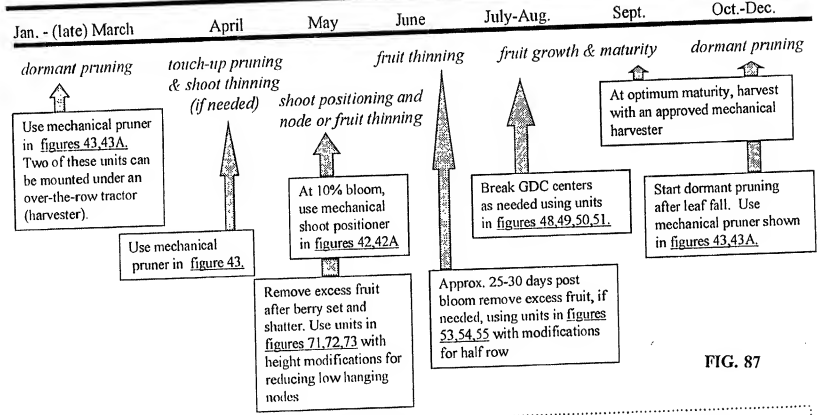

FIG. 87

Exact date of each operation will depend on the viticultural region. The exact date can vary from region to region by as much as 3-4 weeks (depending on the cultivar). Therefore, mechanical operation should be based on physiological growth of the vine. Of course, the seasons in the southern hemisphere are opposite.

III. SEASONAL CHART FOR VINEYARD MECHANIZATION ACTIVITIES ON MINIMAL PRUNED VITIS LABRUSCANA (and other grapes with drooping growth habits) ON SINGLE CURTAIN TRELLIS SYSTEMS

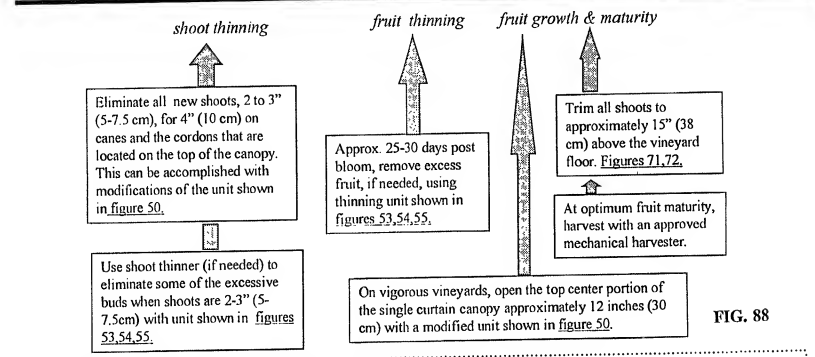

FIG. 88

Exact date of each operation will depend on the viticultural region. The exact date can vary from region to region by as much as 3-4 weeks (depending on the cultivar). Therefore, mechanical operation should be based on physiological growth of the vine. Of course, the seasons in the southern hemisphere are opposite.

IV. SEASONAL CHART FOR VINEYARD MECHANIZATION ACTIVITIES ON MINIMAL PRUNED VITIS LABRUSCANA (and other grapes with drooping growth habits) ON GDC TRELLIS SYSTEMS

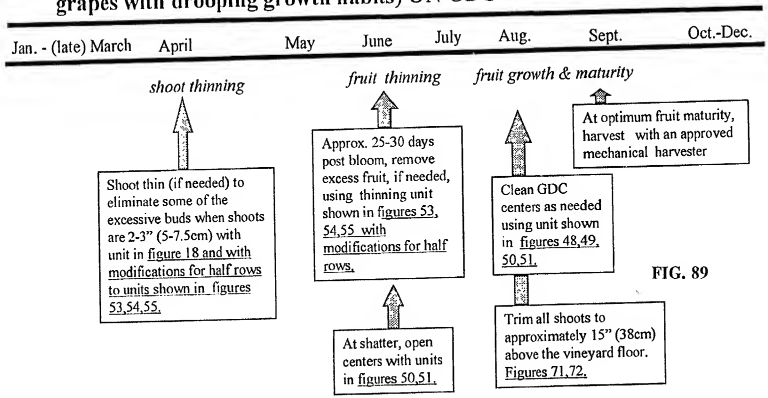

FIG. 89

Exact date of each operation will depend on the viticultural region. The exact date can vary from region to region by as much as 3-4 weeks (depending on the cultivar). Therefore, mechanical operation should be based on physiological growth of the vine. Of course, the seasons in the southern hemisphere are opposite.

V. SEASONAL CHART FOR VINEYARD MECHANIZATION ACTIVITIES OF VITIS VINIFERA AND FRENCH AMERICAN HYBRIDS PRODUCED ON HIGH WIRE SINGLE CURTAIN TRELLISES

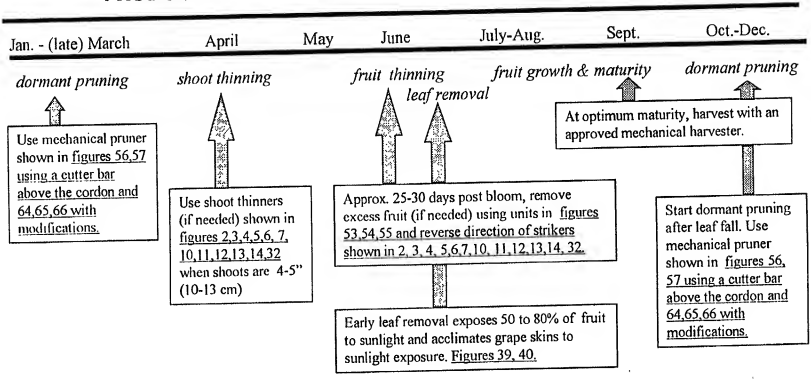

FIG. 90

Exact date of each operation will depend on the viticultural region. The exact date can vary from region to region by as much as 3-4 weeks (depending on the cultivar). Therefore, mechanical operation should be based on physiological growth of the vine. Of course, the seasons in the southern hemisphere are opposite.

VI. SEASONAL CHART FOR VINEYARD MECHANIZATION ACTIVITIES OF VITIS VINIFERA AND FRENCH AMERICAN HYBRIDS PRODUCED ON GDC AND OTHER DIVIDED CANOPY TRELLISES

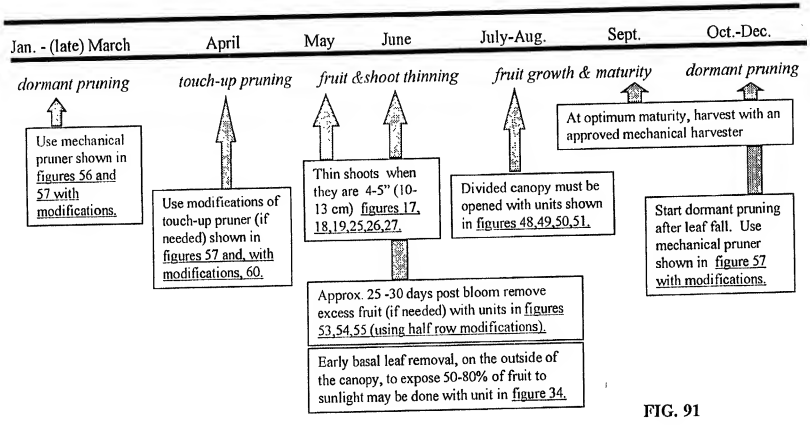

FIG. 91

Exact date of each operation will depend on the viticultural region. The exact date can vary from region to region by as much as 3-4 weeks (depending on the cultivar). Therefore, mechanical operation should be based on physiological growth of the vine. Of course, the seasons in the southern hemisphere are opposite.

VII. SEASONAL CHART FOR VINEYARD MECHANIZATION ACTIVITIES IN MINIMAL PRUNED VITIS VINIFERA AND FRENCH AMERICAN HYBRIDS TRAINED TO A HIGH WIRE SINGLE CURTAIN TRELLISING SYSTEM.

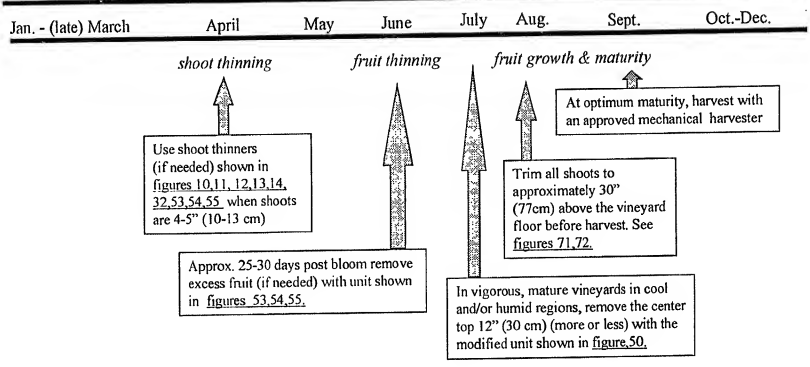

FIG. 92

Exact date of each operation will depend on the viticultural region. The exact date can vary from region to region by as much as 3-4 weeks (depending on the cultivar). Therefore, mechanical operation should be based on physiological growth of the vine. Of course, the seasons in the southern hemisphere are opposite.

VIII. SEASONAL CHART FOR VINEYARD MECHANIZATION ACTIVITIES ON MINIMAL PRUNED VITIS VINIFERA AND FRENCH AMERICAN HYBRIDS ON GDC TRELLIS SYSTEMS

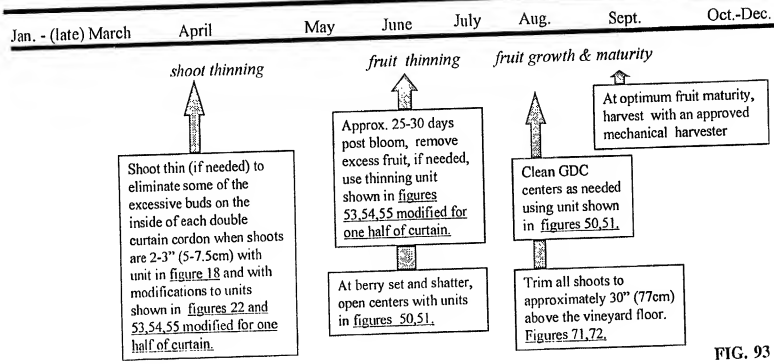

FIG. 93

Exact date of each operation will depend on the viticultural region. The exact date can vary from region to region by as much as 3-4 weeks (depending on the cultivar). Therefore, mechanical operation should be based on physiological growth of the vine. Of course, the seasons in the southern hemisphere are opposite.

IX. SEASONAL CHART FOR VINEYARD MECHANIZATION ACTIVITIES OF VITIS VINIFERA AND FRENCH AMERICAN HYBRIDS PRODUCED ON STANDARD CALIFORNIA T-TRELLIS

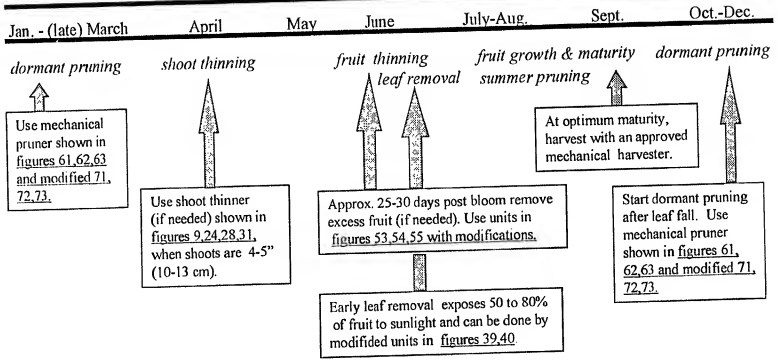

FIG. 94

Exact date of each operation will depend on the viticultural region. The exact date can vary from region to region by as much as 3-4 weeks (depending on the cultivar). Therefore, mechanical operation should be based on physiological growth of the vine. Of course, the seasons in the southern hemisphere are opposite.

X. SEASONAL CHART FOR VINEYARD MECHANIZATION ACTIVITIES OF VITIS VINIFERA AND FRENCH AMERICAN HYBRIDS PRODUCED ON STANDARD VERTICAL MOVEABLE CATCH WIRES

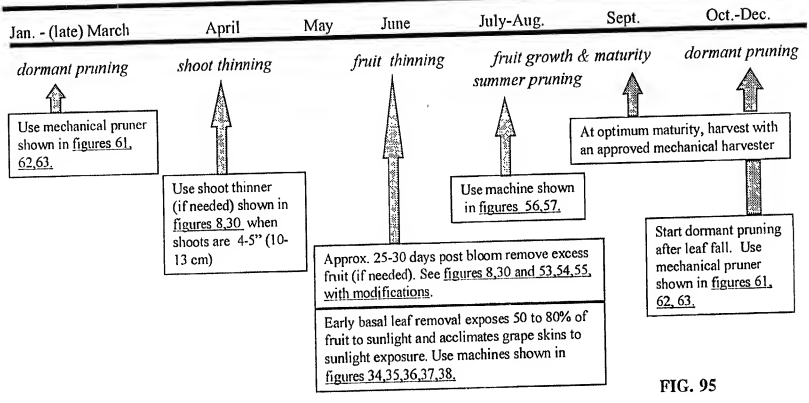

FIG. 95

Exact date of each operation will depend on the viticultural region. The exact date can vary from region to region by as much as 3-4 weeks (depending on the cultivar). Therefore, mechanical operation should be based on physiological growth of the vine. Of course, the seasons in the southern hemisphere are opposite.

XI. SEASONAL CHART FOR VINEYARD MECHANIZATION ACTIVITIES OF VITIS VINIFERA AND FRENCH AMERICAN HYBRIDS PRODUCED ON LYRE OR "U" AND OTHER DIVIDED CANOPY TRELLISES

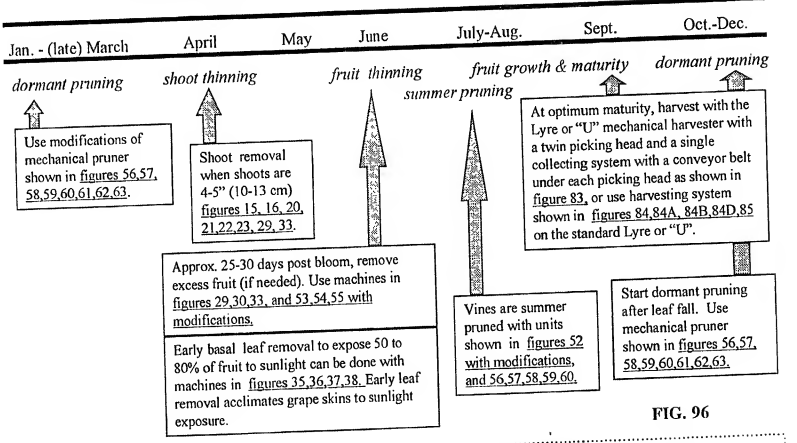

FIG. 96

Exact date of each operation will depend on the viticultural region. The exact date can vary from region to region by as much as 3-4 weeks (depending on the cultivar). Therefore, mechanical operation should be based on physiological growth of the vine. Of course, the seasons in the southern hemisphere are opposite.

XII. SEASONAL CHART FOR VINEYARD MECHANIZATION ACTIVITIES OF VITIS VINIFERA AND FRENCH AMERICAN HYBRIDS ON SMART-DYSON BALLERINA (and similar) TRELLISING SYSTEMS.

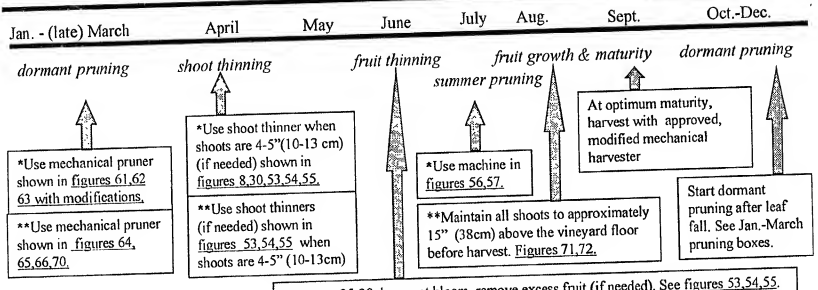

FIG. 97

*Use on the upper part of Smart-Dyson Ballerina.

**Use on the lower part of Smart-Dyson Ballerina.

Exact date of each operation will depend on the viticulttural region. The exact date can vary from region to region by as much as 3-4 weeks (depending on the cultivar). Therefore, mechanical operation should be based on physiological growth of the vine. Of course, the seasons in the southern hemisphere are opposite.